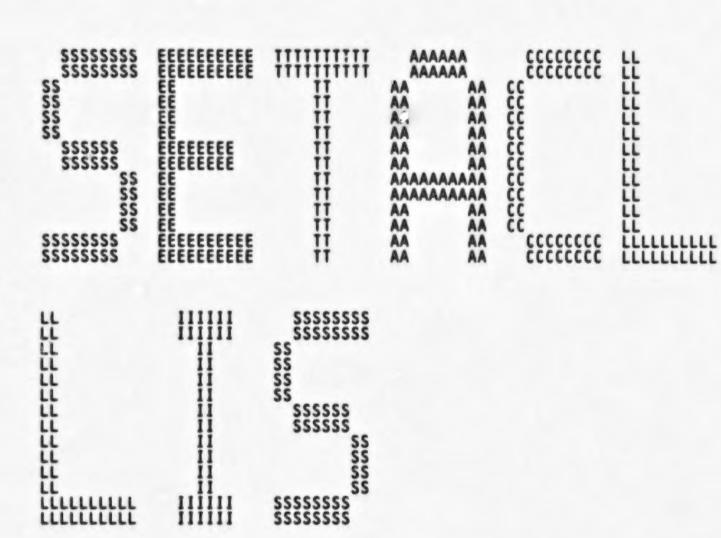


A



VAX-11 Bliss-32 V4.0-742 CACLEDT.SRCJSETACL.B32;1

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V

MODULE AEDSSETACL (

LANGUAGE (BL15532), IDENT = 'V04-000',

ADDRESSING_MODE (EXTERNAL = GENERAL)

BEGIN

*

! *

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FACILITY:

SET utility

ABSTRACT:

This module contains all the routines necessary to support the DCL commands SET FILE/ACL, SET DIRECTORY/ACL, SET DEVICE/ACL, and SET ACL with the exception of the /EDIT qualifier.

ENVIRONMENT:

VAX/VMS operating system, user mode utilities.

AUTHOR:

L. Mark Pilant

CREATION DATE: 4-May-1983 9:20

MODIFIED BY:

V03-019 LMP0296 L. Mark Pilant, 6-Aug-1984 15:02 Change the location of the code that determines if the target file is a directory file to correct a bug where the default option was being cleared.

V03-018 LMP0283

L. Mark Pilant,

25-Jul-1984 12:40

AEDSSETACL V04-000	H 13 16-Sep-1984 00:02:30 VAX-11 BLiss-32 V4.0-742 14-Sep-1984 11:52:34 [ACLEDT.SRC]SETACL.B32;1	Page (1)
: 58 0058	Make sure the default object type is a file.	
60 0060 61 0061 62 0062	V03-017 LMP0260 L. Mark Pilant, 27-Jun-1984 9:11 Add support for the /DEFAULT qualifier.	
63 0063 64 0064 65 0065 66 0066 67 0067 68 0068	V03-016 LMP0253 L. Mark Pilant, 4-Jun-1984 10:41 Fix the error handling in COPY_ACL so that SS\$_NOMOREACE and SS\$_ACLEMPTY are (again) turned into SS\$_NORMAL.	
67 0067 68 0068 69 0069	V03-015 LMP0244 L. Mark Pilant, 1-May-1984 16:02 Fix a bug intruduced by LMP0238 that caused the wrong item code to be used.	
70 0070 1 71 0071 1 72 0072	V03-014 LMP0238 L. Mark Pilant, 19-Apr-1984 13:35 Use the size of the ACE being twiddled, when possible.	
58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 90 90 90 90 90 90 90 90 9	V03-013 LMP0236 L. Mark Pilant, 18-Apr-1984 13:25 Correct a bug that caused an ACCVIO to be returned from the SCHANGE ACL system service when an attempt was made to lock a file's ACL for writing.	
79 0079 80 0080	V03-012 LMP0230 L. Mark Pilant, 16-Apr-1984 10:45 Track interface changes to \$CHANGE_ACL system service.	
82 0082 1 83 0083 1 84 0084	V03-011 LMP0226 L. Mark Pilant, 9-Apr-1984 9:32 Make sure all ACEs to be modified exist and are in the correct order (if more than one).	
85 0085 1 86 0086 1 87 0087	V03-010 LMP0224 L. Mark Pilant, 7-Apr-1984 13:50 Use enhanced libsfile_scan features for stickyness.	
. ,,	V03-009 LMP0223 L. Mark Pilant, 6-Apr-1984 12:49 Use the correct amount of storage for the \$CHANGE_ACL lock block.	
92 93 94 95 96 97 98 99 100 101 101 102 103 104 105 106 107 108 109 110 111 112 113 114 119 110 111 111 111 112 113 114 115 116 117 117 118 119 110 110 110 110 110 110 110	V03-008 LMP0213 Add support for locking and unlocking the object's ACL. Also, modify it so that the DCL commands SET ACL and SHOW ACL call the same image.	
98 0098 99 0099	V03-007 LMP0210 L. Mark Pilant, 23-Mar-1984 14:33 Change the /MODIFY qualifier to /REPLACE.	
101 0101 102 0102 103 0103	V03-006 LMP0198 L. Mark Pilant, 28-Feb-1984 12:05 Open the object specified by the /LIKE qualifier for shared read access.	
105 0105 106 0106	V03-005 LMP0185 L. Mark Pilant, 4-Feb-1984 12:15 Add support for device ACLs.	
108 0108 109 0109 110 0110	V03-004 LMP0181 L. Mark Pilant, 15-Dec-1983 9:54 Change code to use \$CHANGE_ACL instead of the ACP to do the ACL twiddling.	
112 0112 113 0113 114 0114	V03-003 LMP0168 L. Mark Pilant, 11-Nov-1983 10:58 Make use of the HIDDEN ACE option illegal.	

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AEDSSETACL VO4-000		13 16-Sep-1984 00:02:30 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:52:34 [ACLEDT.SRC]SETACL.B32;1	Page (1)
: 115 : 116 : 117	0115 1 : 0116 1 : 0117 1 :	V03-002 LMP0137 L. Mark Pilant, 12-Aug-1983 9:36 Add support for the qualifiers: /BEFORE, /SINCE, and /CREATED.	
115 116 117 118 119 120 121 122 123 124 125	0119 1 1 0120 1 1 0121 1 1 0122 1	V03-001 LMP0126 L. Mark Pilant, 5-Jul-1983 11:00 Correctly use a 'sticky' input file-spec. Also, handle errors while processing multiple files correctly.	
124 125 126	0124 1 0125 1 LIBR 0126 1 LIBR	ARY 'SYS\$LIBRARY:LIB': ARY 'SYS\$LIBRARY:TPAMAC';	

AE VO

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A
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```
J 13
16-Sep-1984 00:02:30
14-Sep-1984 11:52:34
AEDSSETACL
VO4-000
                                                                                                                                                                                                                                                                  VAX-11 Bliss-32 V4.0-742 CACLEDT.SRCJSETACL.832:1
                                                                              Routines contained within this module.
                                             ROUTINE
SET_ACL,
GET_FILE,
PROCESS_FILE,
ADD_ACL,
DELETE_ACL,
REPLACE_ACL,
COPY_ACC,
INPUT_ERROR,
FILE_ERROR;
                                                                      FORWARD
                                                                                                                                                                                                                        Main processing routine
Get next output file spec
Act upon the specified file
Add to an existing ACL
Delete ACEs or an ACL
Modify existing ACEs
Copy a object's ACL
Signal file scanning error
Signal general file error
                                                                      ! Define common error message codes.
                                                                                                                     (SET, 119, LOCAL,
(SYNTAX, SEVERE),
(OPENIN, ERROR),
(CLOSEIN, ERROR),
(OPENOUT, ERROR),
(CLOSEOUT, ERROR),
(READERR, SEVERE),
(WRITEERR, SEVERE)
                                                                      $SHR_MSGDEF
                                                                      ! Define necessary macros.
                                                                      MACRO
                                                                                                                 (ARG) =
BEGIN
EXTERNAL ROUTINE LIB$SIGNAL;
LIB$SIGNAL (ARG %IF %LENGTH-1 GTR 0 %THEN, %REMAINING %FI);
IF NOT ARG AND
(.WORST_ERROR AND STS$M_SEVERITY) LSS
(ARG AND STS$M_SEVERITY) THEN WORST_ERROR = ARG OR
STS$M_INHIB_MSG;
                                                                                              SIGNAL
                                                                                                                     END
                                                                      MACRO
                                                                                            ALLOCATE (SIZE, ADDRESS) =

BEGIN

EXTERNAL ROUTINE LIBSGET_VM;

LOCAL VM_STATUS;

VM_STATUS = LIBSGET_VM (%REF (SIZE), ADDRESS);

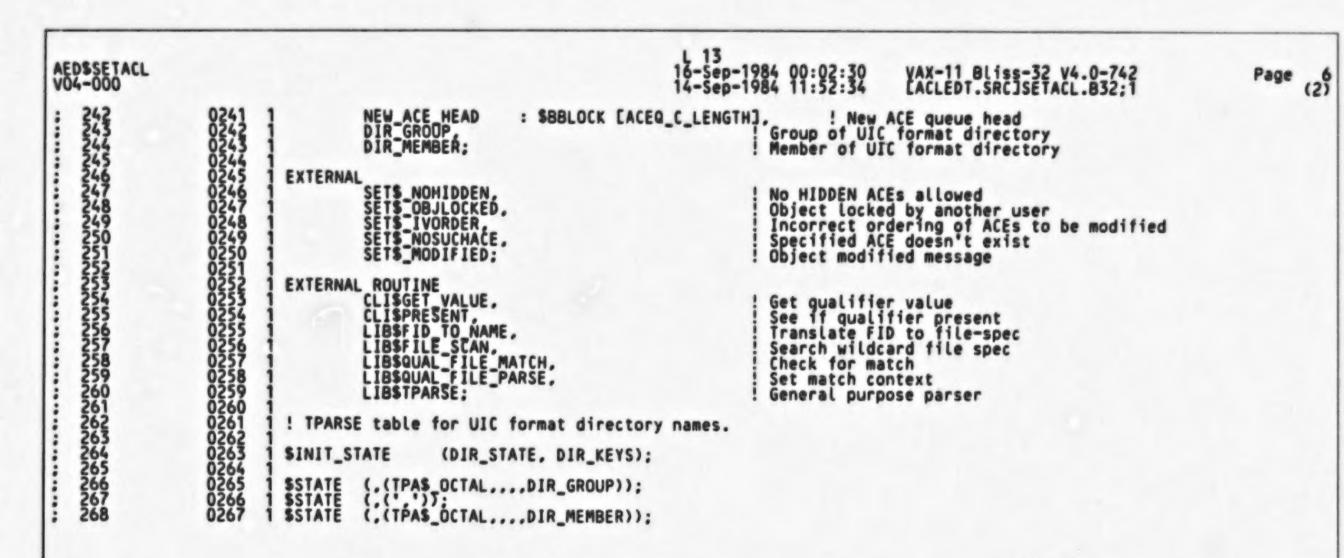
IF .VM_STATUS THEN CHSFILL (0, SIZE, .ADDRESS);

VM_STATUS

END_STATUS
                                                                                                                      END
                                                                      ! Various needed flags.
                                                                      MACRO
                                                                                                                                            = 0. 0. 1. 0 %;
= 0. 1. 1. 0 %;
= 0. 2. 1. 0 %;
= 0. 3. 1. 0 %;
                                                                                             QUAL_AFTER
QUAL_DELETE
QUAL_LIKE
QUAL_LOG
                                                                                                                                                                                                                        /AFTER qualifier seen
/DELETE qualifier seen
/LIKE qualifier seen
/LOG qualifier seen
```

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K 13
16-Sep-1984 00:02:30
14-Sep-1984 11:52:34
AED$SETACL
VO4-000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VAX-11 Bliss-32 V4.0-742 
[ACLEDT.SRC]SETACL.B32:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Page
                                                                                                                                                                                        QUAL_REPLACE
QUAL_NEW
QUAL_DEFAULT
DIRECTORY
IN_ELLIPSE
SET_DEV_CMD
SET_FILE_CMD
SET_DIR_CMD
SET_ACL_CMD
                                                                                                                                                                                                                                                                                                                                                                                                                                       /REPLACE qualifier seen
/NEW qualifier seen
/DEFAULT qualifier seen
Target file is a directory file
In ellipse processing
SET DEVICE command
SET FILE command
SET DIRECTORY command
SET ACL command
                 00000
                                                                                                                                                                                                                                                                                     = = = =
                                                                                                                                                                                                                                                                                      ===
                                                                                                                                                                                                                                                                                                ŏ
                                                                                                                                          ! Structure definition for the old and new ACE queues.
                                                                                                                                          MACRO
                                                                                                                                                                                        ACEQ_L_FLINK
ACEQ_T_ACE
                                                                                                                                                                                                                                                                                   = 0. 0. 32. 0 %.
= 4. 0. 32. 0 %.
= 8. 0. 32. 0 %:
                                                                                                                                                                                                                                                                                                                                                                                                                                        Forward link
Backward link
Start of the actual ACE
                                                                                                                                         LITERAL
                                                                                                                                                                                        ACEQ_C_LENGTH
                                                                                                                                                                                                                                                                                                                                                                                                                               ! Length of the overhead area
                                                                                                                                          ! Semi-permanent storage.
                                                                                                                                         OWN
                                                                                                                                                                                      FLAGS
WORST_ERROR.
ACL_LOCKID
OBJECT_TYPE,
OBJECT_NAME
OBJECT_FAB
OBJECT_NAM
OBJECT_EXP_NAME
OBJECT_RES_NAME
RELATED_NAM
CHAN.
                                                                                                                                                                                                                                                                                      : $BBLOCK [2].
                                                                                                                                                                                                                                                                                                                                                                                                                                          Needed flags
                                                                                                                                                                                                                                                                                                                                                                                                                                          Worst error encountered

1. ! Lock-id for ACL lock
                                                                                                                                                                                                                                                                                : $BBLOCK [ACL$S_RLOCK_ACL], ! Lock-id for ACL lock ! Object type code : $BBLOCK [DSC$C_S_BLN], ! Object name descriptor : $FAB_DECL, ! Output object FAB : $NAM_DECL, ! Output object NAMe block : $BBLOCK [NAM$C_MAXRSS], ! Expanded name string : $NAM_DECL, ! Resultant name string : Related object spec ! Input object channel ! ACL context used by $CHANGE_ACL : SBBLOCK [ACL$S_RLOCK_ACL], ! Lock-id for ACL lock ! Source object type code : Source object descr ! Source object descr ! Source object FAB : Source object NAMe block : $BBLOCK [NAM$C_MAXRSS], ! Resultant name string ! Re
                                                                                                                                                                                                                                                                                    : $BBLOCK [ACL$S_RLOCK_ACL]
                                                                                                                                                                                       RELATED_NAM
CHAN,
ACL_CONTEXT,
SACL_LOCKID
SOBJECT_TYPE,
SOBJECT_DESC
SOBJECT_FAB
SOBJECT_NAM
SOBJECT_EXP_NAME
SOBJECT_RES_NAME
SCHAN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Expanded name string
                                                                                                                                                                                                                                                                                                                                                                                                                                  MAXRSS], ! Resultant name string source object channel | ACL context for $CHANGE_ACL | Source device desc | Source file FIB desc | Source file FIB | Common qual context | TEM, BYTE], ! ACP attribute describent | ACE string from CLI | Error position parsing ACE | Binary ACE descriptor | Binary ACE storage | Pointer to ACE queue entry | Text ACE descriptor | AE text storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Resultant name string
                                                                                                                                                                                       SOBJECT_RES_N
SCHAN,
SACL_CONTEXT,
SDEVICE_DESC
SFIB_DESC
SFILE_FIB
COMMON_CTX,
ATR_ARGLIST
CLI_ACE_DESC
ERROR_POS,
ACE_DESC
ACE_DESC
                                                                                                                                                                                                                                                                                    : $BBLOCK [DSC$C_S_BLN],
: $BBLOCK [DSC$C_S_BLN],
: $BBLOCK [FIB$C_LENGTH]
                                                                                                                                                                                                                                                                                     : BLOCKVECTOR [3, ITM$5 : $BBLOCK [DSC$C_S_BLN],
                                                                                                                                                                                                                                                                                   : $BBLOCK [DSC$C_S_BLN],
: $BBLOCK [ACL$S_READACL],
: REF $BBLOCK,
: $BBLOCK [DSC$C_S_BLN],
: $BBLOCK [3072],
: $BBLOCK [ACEQ_C_LENGTH],
                                                                                                                                                                                        ACE_POINTER
ACE_TEXT_DESC
ACE_TEXT
OLD_ACE_HEAD
                                                                                                                                                                                                                                                                                                                                                                                                                                        AE text storage ! Old ACE queue head
```



AE

```
GLOBAL ROUTINE SET_ACL =
FUNCTIONAL DESCRIPTION:
                                               This routine is the main routine. It parses the command line to determine what modifications to the object (or objects) ACL are to
                                               occur.
                        BEGIN
                        BUILTIN
                                               INSQUE:
                        LOCAL
                                               SCAN CONTEXT,
CMD DESC
STATUS,
                                                                                                                                                                     ! LIB$FILE_SCAN context storage
! DCL command descr
! Local routine return status
! I/O status block
                                                                                               : $BBLOCK [DSC$C_S_BLN],
                                                IO_STATUS
                                                                                               : VECTOR [4, WORD]:
                        ! Initialize local storage.
                       CHSFILL (O. 3*ITMSS ITEM, ATR ARGLIST);
CHSFILL (O. FIBSC_LENGTH, SFICE_FIB);
CHSFILL (O. DSCSC_S BLN, CLI_ACE_DESC);
CHSMOVE (DSCSC_S_BLN, CLI_ACE_DESC, ACE_CHSMOVE (DSCSC_S_BLN, CLI_ACE_DESC, ACE_CHSMOVE (DSCSC_S_BLN, CLI_ACE_DESC, OBJICHSMOVE (DSCSC_S_BLN, CLI_ACE_DESC, SOBCCHSMOVE (DSCSC_S_BLN, CLI_ACE_DESC, SOBCCHSMOVE (DSCSC_S_BLN, CLI_ACE_DESC, SFIREMOVE (DSCSC_S_BLN, CLI_ACE_DESC, SFIREMOVE (DSCSC_S_BLN, CLI_ACE_DESC, SFIREMOVE)
                                                                                                                                ACE_DESC);
ACE_TEXT_DESC);
OBJECT_NAME);
SOBJECT_DESC);
CMD_DESC);
                                                                                                                                 SFIB_DESC);
                FLAGS = 0;
SCAN_CONTEXT = 0;
OBJECT_TYPE = SOBJECT_TYPE = 0;
CHAN = SCHAN = 0;
WORST_ERROR = SS$ NORMAL;
CLI_ACE_DESC[DSC$B_CLASS] = DSC$K_CLASS_D;
OBJECT_RAME[DSC$B_CLASS] = DSC$K_CLASS_D;
SOBJECT_DESC[DSC$B_CLASS] = DSC$K_CLASS_D;
CMD_DESC[DSC$B_CLASS] = DSC$K_CLASS_D;
CMD_DESC[DSC$B_CLASS] = DSC$K_CLASS_D;
SFIB_DESC[DSC$B_LENGTH] = 10;
SFIB_DESC[DSC$A_POINTER] = SFILE_FIB;
ACE_DESC[DSC$A_POINTER] = ACE;
OLD_ACE_HEAD[ACEQ_L_FLINK] = OLD_ACE_HEAD[ACEQ_L_BLINK];
NEW_ACE_HEAD[ACEQ_L_FLINK] = NEW_ACE_HEAD[ACEQ_L_FLINK];
NEW_ACE_HEAD[ACEQ_L_FLINK] = NEW_ACE_HEAD[ACEQ_L_FLINK];
                                                                                                                                                                                                                     ! Null queue
                                                                                                                                                                                                                     ! Null queue
0320
0321
                              Determine what DCL command was used to invoke this image.
                                                                                                                                                                                                          Also, set the
                              appropriate default object type code.
                        CLISGET_VALUE (SDESCRIPTOR ('OPTION'), CMD_DESC);
IF CHSEGL (.CMD_DESCEDSCSW_LENGTH), .CMD_DESCEDSCSA_POINTER],
```

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```
AEDSSETACL
V04-000
```

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N 13
16-Sep-1984 00:02:30 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 11:52:34 CACLEDT.SRCJSETACL.B32:1
```

MINU (.CMD_DESC[DSC\$W_LENGTH], %CHARCOUNT ('FILE')), UPLIT ('FILE'), THEN BEGIN
FLAGS[SET_FILE_CMD] = 1;
OBJECT_TYPE = ACLSC_FILE;
SOBJECT_TYPE = ACLSC_FILE; IF CHSEQL (.CMD_DESCEDSCSW_LENGTH), .CMD_DESCEDSCSA_POINTER], MINU (.CMD_DESCEDSCSW_LENGTH), %CHARCOUNT ('DIRECTORY'), UPLIT ('DIRECTORY'), THEN BEGIN FLAGS[SET_DIR_CMD] = 1; OBJECT_TYPE = ACLSC_FILE; SOBJECT_TYPE = ACLSC_FILE; END: IF CHSEQL (.CMD_DESCEDSCSW_LENGTH), .CMD_DESCEDSCSA_POINTER] MINU (.CMD_DESCEDSC\$W_LENGTH], %CHARCOUNT ('DEVICE'), UPLIT ('DEVICE'), THEN BEGIN FLAGS[SET_DEV_CMD] = 1; OBJECT_TYPE = ACL\$C_DEVICE; SOBJECT_TYPE = ACL\$C_DEVICE; END: IF CHSEQL (.CMD_DESC[DSCSW_LENGTH], .CMD_DESC[DSCSA_POINTER], MINU (.CMD_DESC[DSCSW_LENGTH], %CHARCOUNT ('ACL')), UPLIT ('ACL'), THEN BEGIN FLAGS[SET_ACL_CMD] = 1; OBJECT_TYPE = ACLSC_FILE; SOBJECT_TYPE = ACLSC_FILE; ! Determine what qualifiers are present. FLAGS[QUAL_AFTER] = CLI\$PRESENT (\$DESCRIPTOR ('AFTER'));
FLAGS[QUAL_DEFAULT] = CLI\$PRESENT (\$DESCRIPTOR ('DEFAULT'));
FLAGS[QUAL_DELETE] = CLI\$PRESENT (\$DESCRIPTOR ('DELETE'));
FLAGS[QUAL_LOG] = CLI\$PRESENT (\$DESCRIPTOR ('LOG'));
FLAGS[QUAL_REPLACE] = CLI\$PRESENT (\$DESCRIPTOR ('REPLACE'));
FLAGS[QUAL_NEW] = CLI\$PRESENT (\$DESCRIPTOR ('NEW')); If the /LIKE qualifier is present, get the source object type and name. If it ! is a file, access it for later use. IF (FLAGS[QUAL_LIKE] = CLISPRESENT (SDESCRIPTOR ('LIKE'))) THEN BEGIN

! Determine the characteristics of the source object.

```
AED$SETACL
V04-000
                                                                                                                                                                        VAX-11 Bliss-32 V4.0-742 [ACLEDT.SRC]SETACL.832;1
                                                                                                                                                                                                                                              Page
                             9012345678901234567890123456777777890123456789012345
04444444455567890123456678901234567777777890123456789012345
                                                             END:
     END:
                                              ! Determine the characteristics of the target object.
                                              IF .FLAGS[SET_ACL_CMD]
                                             THEN
                                                      BEGIN
                                                                                                          ('OBJECT_TYPE.FILE')) THEN OBJECT_TYPE = ACL$C_FILE;
('OBJECT_TYPE.DEVICE')) THEN OBJECT_TYPE = ACL$C_DEVICE;
('OBJECT_TYPE.QUEUE')) THEN OBJECT_TYPE = ACL$C_JOBCTL_QUEUE;
('OBJECT_TYPE.EVENT_CLUSTER')) THEN OBJECT_TYPE = ACL$C_COMMON_EF_CLUSTER;
('OBJECT_TYPE.LOGICAL_NAME_TABLE')) THEN OBJECT_TYPE = ACL$C_LOGICAL_NAME_TA
('OBJECT_TYPE.PROCESS')) THEN OBJECT_TYPE = ACL$C_PROCESS;
('OBJECT_TYPE.GLOBAL_SECTION')) THEN OBJECT_TYPE = ACL$C_GLOBAL_SECTION;
                                                           CLISPRESENT (SDESCRIPTOR CLISPRESENT (SDESCRIPTOR
                                                           CLISPRESENT (SDESCRIPTOR CLISPRESENT (SDESCRIPTOR
                                                           CLISPRESENT (SDESCRIPTOR
                                                           CLISPRESENT (SDESCRIPTOR
                                                      IF CLISPRESENT (SDESCRIPTOR
                                                      END:
                                              ! Now get any ACEs specified on the /ACL qualifier.
                                              WHILE CLISGET_VALUE (SDESCRIPTOR ('ACL'), CLI_ACE_DESC)
                                                     BEGIN
                                                     ACE_DESC[DSC$W_LENGTH] = ACL$S_READACL;
STATUS = $PARSE_ACL (ACLSTR = CLI_ACE_DESC,
                                                                                                                                                         ! Reset buffer size
                                                                                              ACLENT = ACE DESC.
                                                                                              ERRPOS = ERROR_POS):
                                                      IF NOT .STATUS
                                                      THEN
                                                             BEGIN
                                                             CLI_ACE_DESC[DSC$A_POINTER] = .CLI_ACE_DESC[DSC$A_POINTER] + .ERROR_POS;
CLI_ACE_DESC[DSC$W_LENGTH] = .CLI_ACE_DESC[DSC$W_LENGTH] - .ERROR_POS;
SIGNAL (SET$ SYNTAX, 1, CLI_ACE_DESC, .STATUS, 0);
RETURN .WORST_ERROR;
                                                     IF .ACELACESV_HIDDEN]
                                                      THEN
                                                             SIGNAL (SETS NOHIDDEN);
RETURN .WORST_ERROR;
                                                      STATUS = ALLOCATE (.ACE[ACESB_SIZE] + ACEQ_C_LENGTH, ACE_POINTER);
                                                      IF NOT .STATUS
                                                      THEN
                                                             BEGIN
                                                             SIGNAL (.STATUS);
                                                             RETURN .WORST_ERROR:
                                                     CHSMOVE (.ACE[ACESB_SIZE], ACE, ACE_POINTER[ACEQ_T_ACE]);
INSQUE (.ACE_POINTER, (IF .FLAGS[QUAL_DELETE] OR .FLAGS[QUAL_REPLACE]
THEN .OLD_ACE_READ[ACEQ_L_BLINK]);
ELSE .NEW_ACE_HEAD[ACEQ_L_BLINK]);
                                                      END:
                                              ! Now get any ACEs specified on the /REPLACE or /AFTER qualifiers.
                                              WHILE CLISGET_VALUE ((IF .FLAGS[QUAL_REPLACE]
THEN $DESCRIPTOR ('REPLACE')
```

```
ELSE $DESCRIPTOR ('AFTER')), CLI_ACE_DESC)
DO
                   BEGIN
ACE DESCEDSCSW LENGTH] = ACLSS READACL;
STATUS = SPARSE_ACL (ACLSTR = TLI_ACE_DESC,
ACLENT = ACE_DEST,
ERRPOS = ERROR_POS);
                                                                                                              ! Reset buffer size
                    IF NOT .STATUS
                           BEGIN
                           CLI_ACE_DESC[DSC$A_POINTER] = .CLI_ACE_DESC[DSC$A_POINTER] + .ERROR_POS;
CLI_ACE_DESC[DSC$W_LENGTH] = .CLI_ACE_DESC[DSC$W_LENGTH] - .ERROR_POS;
SIGNAL TSET$ SYNTAX, 1, CLI_ACE_DESC, .STATUS, 07;
RETURN .WORST_ERROR;
                         END:
.ACELACESV_HIDDEN]
                     THEN
                           BEGIN
                           SIGNAL (SETS NOHIDDEN);
RETURN .WORST_ERROR;
                     STATUS = ALLOCATE (.ACE[ACESB_SIZE] + ACEQ_C_LENGTH, ACE_POINTER);
                     IF NOT .STATUS
                     THEN
                           BEGIN
                           SIGNAL (.STATUS);
RETURN .WORST_ERROR;
                    END;
CH$MOVE (.ACE[ACE$B_SIZE], ACE, ACE_POINTER[ACEQ_T_ACE]);
INSQUE (.ACE_POINTER, (IF .FLAGS[QUAL REPLACE]
THEN .NEW_ACE_READ[ACEQ_L_BLINK]));
ELSE .OLD_ACE_HEAD[ACEQ_L_BLINK]));
                    END:
              ! Check for syntax errors on the command.
              IF .OLD ACE HEAD[ACEQ_L_FLINK] EQLA OLD ACE HEAD[ACEQ_L_FLINK] AND .NEW_ACE_HEAD[ACEQ_C_FLINK]
             THEN
                    BEGIN
IF .FI
                     IF .FLAGS[QUAL AFTER] OR .FLAGS[QUAL_REPLACE]
OR (.FLAGS[QUAL_NEW] AND NOT .FLAGS[QUAL_LIKE])
                           BEGIN
                           SIGNAL (SET$ SYNTAX, 1, $DESCRIPTOR ('command line'));
RETURN .WORST_ERROR;
                            END:
                     END
             ELSE
                    BEGIN
IF .FLAGS[QUAL_LIKE]
                     THEN
                           SIGNAL (SET$ SYNTAX, 1, $DESCRIPTOR ('command line'));
RETURN .WORST_ERROR;
                            END:
                     END:
```

V

VAX-11 Bliss-32 V4.0-742 LACLEDT.SRCJSETACL.832;1

If the object is a file, loop through all the specifications supplied. For any other object, simply dispatch to the appropriate routine from here. IF .OBJECT_TYPE EQL ACLSC_FILE THEN BEGIN

FAC = GET, PUT>,

FOP = UFO,

NAM = OBJECT NAM,

SHR = GET, OPI>);

SNAM_INIT (NAM = OBJECT NAM,

ESA = OBJECT NAM,

ESA = OBJECT EXP, NAME,

ESS = NAMSC MAXRSS,

RSA = OBJECT RES NAME,

RSS = NAMSC MAXRSS); LIBSQUAL_FILE_PARSE is called to parse the common qualifiers. It sets a data base which describes the results for LIBSQUAL_FILE_MATCH to use. It sets up STATUS = LIBSQUAL_FILE_PARSE (%REF (LIBSM_CQF_BEFORE OR LIBSM_CQF_BYOWNER OR LIBSM_CQF_CONFIRM OR LIBSM_CQF_CREATED OR LIBSM_CQF_EXCLUDE OR LIBSM_CQF_SINCE), COMMON_CTX); IF NOT .STATUS THEN BEGIN SIGNAL (.STATUS); RETURN . WORST_ERROR; END: Sit in a loop processing each 'input' file specified. For the copy operation, the 'input' file is really the output file. FLAGS[IN_ELLIPSE] = 0: WHILE GET_FILE (OBJECT_FAB) ! for initial directory processing DO BEGIN If this is the /DEFAULT processing, and a channel has been assigned, deaccess the directory file, and deassign the channel. IF .FLAGS[QUAL_DEFAULT] AND .SCHAN NEQ O THEN BEGIN

STATUS = \$QIOW (CHAN = .SCHAN,
FUNC = IOS DEACCESS,
IOSB = IO_STATUS);
IF .STATUS THEN STATUS = .IO_STATUS[O];
IF NOT .STATUS THEN SIGNAL (SETS_CLOSEIN, 1, SOBJECT_DESC, .STATUS, 0);
STATUS = SOASSON (CHAN = .SCHAN); STATUS = \$DASSGN (CHAN = .SCHAN); IF NOT .STATUS THEN SIGNAL (SETS CLOSEIN, 1, SUBJECT DESC, .STATUS, 0);

Now release the read lock that was taken out for the directory file.

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AIV
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AEDSSETACL
VO4-000
                                                                                                                            16-Sep-1984 00:02:30
14-Sep-1984 11:52:34
                                                                                                                                                                           VAX-11 Bliss-32 V4.0-742 LACLEDT.SRCJSETACL.832;1
                              ATR_ARGLIST[0, ITMSW_ITMCOD] = ACLSC_UNLOCK_ACL;
ATR_ARGLIST[0, ITMSW_BUFSIZ] = 4;
ATR_ARGLIST[0, ITMSL_BUFADR] = SACL_LOCKID;
STATUS = SCHANGE_ACL (CHAN = .SCHAN,
OBJTYP = SOBJECT_TYPE,
OBJNAM = SOBJECT_DESC,
ITMLST = ATR_ARGLIST);
IF NOT .STATUS THEN SIGNAL (SETS_CLOSEIN, 1, SOBJECT_DESC, .STATUS, 0);
SCHAN = 0.
                                                                      SCHAN = 0;
                                                             LIBSFILE_SCAN
                                                                                         (OBJECT_FAB,
PROCESS_FILE,
INPUT_ERROR,
SCAN_CONTEXT);
                                                                                                                                               file found action routine
                                                                                                                                                Input error action routine
                                                                                                                                               Stickiness context
                                                              END:
                                                      END
                                              ELSE
                                                       BEGIN
                                              ! Get the object's name.
                                                      CLISGET_VALUE (SDESCRIPTOR ('INPUT'), OBJECT_NAME);
                                              ! Attempt to obtain a write lock for the target object.
                                                     ATR_ARGLIST[0, ITMSW_ITMCOD] = ACLSC_WLOCK_ACL;
ATR_ARGLIST[0, ITMSW_BUFSIZ] = ACLSS_WLOCK_ACL;
ATR_ARGLIST[0, ITMSL_BUFADR] = ACL_LOCKID;
STATUS = SCHANGE_ACL_(CHAN = .CHAN,
                                                                                                 OBJTYP = OBJECT TYPE,
OBJNAM = OBJECT NAME,
ITMLST = ATR_ARGLIST);
                                                       IF NOT .STATUS
                                                      THEN
                                                              BEGIN
                                                              IF .STATUS EQL SS$ NOTQUEUED THEN SIGNAL (SET$ DBJLOCKED) ELSE SIGNAL (.STATUS); RETURN .WORST_ERROR;
                                                              END:
                                              ! Call the necessary routine based upon the command line qualifiers.
                                                     IF .FLAGS[QUAL LIKE] THEN STATUS = COPY_ACL (OBJECT_NAME) ! /LIKELSE IF .FLAGS[QUAL_DELETE] THEN STATUS = DELETE_AC[ (OBJECT_NAME) ! /DELETE IF .FLAGS[QUAL_REPLACE] THEN STATUS = REPLACE_ACL (OBJECT_NAME) ELSE STATUS = ADD_ACL (OBJECT_NAME); ! /AFTER, /NEW
                                                                                                                                                                                         /LINE / REPLACE
                                                                                                                                                                           ! /AFTER, /NEW, or just /ACL
                                               ! If logging is being done, indicate that the object has been modified.
                                                       IF .FLAGS[QUAL LOG] AND .STATUS THEN SIGNAL (SETS_MODIFIED, 1, OBJECT_NAME);
                                                       END:
                                               RETURN .WORST_ERROR;
```

```
AED$SETACL
                                                                       16-Sep-1984 00:02:30
14-Sep-1984 11:52:34
                                                                                                 VAX-11 Bliss-32 V4.0-742 [ACLEDT.SRC]SETACL.B32;1
V04-000
                 0667 1 END;
: 669
                                                                                ! End of routine SET_ACL
                                                                                  .TITLE
                                                                                          AED$SETACL
                                                                                           \V04-000\
                                                                                  .PSECT
                                                                                          LIBSSTATES, NOWRT, SHR, PIC, 1
                                                                  00000 DIR_STATE::
                                                                  00000 :TPASTYPE
                                                           45F4
                                                       00000000 00002 TPASADDR
                                                                                           17908
                                                                                   WORD
                                                                                  . LONG
                                                                                          <<DIR_GROUP-U.3>-4>
                                                                  00006 : TPASTYPE
                                                            042C
                                                                                   WORD
                                                                                           1068
                                                            45F4
                                                                  00008 TPASTYPE
                                                                         U.5:
                                                                                          17908
                                                                                   WORD
                                                       00000000 0000A ; TPASADDR
                                                                                  .LONG
                                                                         U.6:
                                                                                           <<DIR_MEMBER-U.6>-4>
                                                                                  .PSECT
                                                                                          _LIB$KEYO$, NOWRT, SHR, PIC, 1
                                                                  00000 DIR_KEYS::
                                                                                   BLKB
                                                                  00000 :TPASKEYO
                                                                                  .BLKB
                                                                                  .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                49
                                                    54 50 4F
                                                                  00000 P.AAB:
                                                                                  .ASCII
                                                                                          \OPTION\
                                                                  00006
                                                                                  .BLKB
                                                       00000000
                                                                  00008 P.AAA:
                                                                                  . LONG
                                                                  0000C
                                                                                  .ADDRESS P. AAB
                                                     4C
52
56
                                                                  00010
                                                                                  .ASCII
                                                                                           \FILE\
                                                45
                                                                  00014 P.AAD:
             00
                 00
                     00
                                                                                           \DIRECTORY\<0><0><0>
                                                                  00020 P.AAE:
                                   00
                                                                                  .ASCII
                                                                                          \DEVICE\<0><0>
                                                                        P.AAF:
P.AAH:
                                                                                  .ASCII
                                                                                           \ACL\<0>
                                            52
                                                                                          \AFTER\
                                                                                  _ASCII
                                                                                  .BLKB
                                                       00000005
                                                                        P.AAG:
                                                                                  .LONG
                                                                                  .ADDRESS P. AAH
                                           55 41
                                                                        P.AAJ:
                                                                                          \DEFAULT\
                                                                                  .ASCII
                                                                                  .BLKB
                                                       00000007
                                                                        P.AAI:
                                                                                  . LONG
                                                                                  .ADDRESS P. AAJ
                                            54
                                                                        P.AAL:
                                                                                  .ASCII \DELETE\
                                                                                  .BLKB
                                                       00000000
                                                                        P. AAK:
                                                                                  . LONG
                                                                                  .ADDRESS P. AAL
                                                                        P. AAN:
                                                                                          \L06\
                                                                                  .ASCII
                                                                                  .BLKB
                                                       00000003
                                                                  00060 P.AAM:
00064
00068 P.AAP:
                                                                                  .LONG
                                                                                  .ADDRESS P.AAN
                                                     50
                                   45 43 41
                                                                                          \REPLACE\
                                                                                  .ASCII
                                                                                  .BLKB
                                                                  00070 P.AAO:
                                                       00000007
                                                                                  .LONG
```

AED VO4	\$SET -000	ACL											H 14 16-Sep-1984 00:02:30 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:52:34 [ACLEDT.SRC]SETACL.B32;1	Page 1
												57 45 4E	0074 .ADDRESS P.AAP 0078 P.AAR: .ASCII \NEW\	•
											45	00000003 00000000 4B 49 4C 00000004	0007B .BLKB 1 0007C P.AAQ: .LONG 3 .ADDRESS P.AAR 00084 P.AAT: .ASCII \LIKE\	
0	59	54	5F	54	43	45	4A	42	4F 45	2E 4C	45	48 49 4C	0088 P.AAS: .LONG 4 .ADDRESS P.AAT .0090 P.AAV: .ASCII \LIKE.OBJECT_TYPE.FILE\ .009F	
0	59	54	5F	54	43	45	4A 45	42	4F 49	2E 56	45	00000015 000000000 48 49 40 44 2E 45	.BLKB 3 .OOAS P.AAU: .LONG 21 .OOAC .ADDRESS P.AAV .OOBF .ASCII \LIKE.OBJECT_TYPE.DEVICE\ .OOBF .BLKB 1 .OOCS P.AAW: .LONG 23 .ADDRESS P.AAX .ASCII \LIKE.OBJECT_TYPE.QUEUE\ .OOCC .ADDRESS P.AAX .OOCC .ASCII \LIKE.OBJECT_TYPE.QUEUE\	
	50	64	••	64	4.9	48				0.7	4.5	00000017	.BLKB 1 .00C8 P.AAW: .LONG 23 .00CC .ADDRESS P.AAX .00DO P.AAZ: .ASCII \LIKE.OBJECT_TYPE.QUEUE\ .00DF .BLKB 2	
0	24	34	16	54	43	45	4A	45	55	2E 45	55	31 66 43	1000F	
0	59 45	54 54	5f 53	54 55	43 40	45	4A 5F	42	4F 4E	2E 45	45 56	00000000 000000000 48 49 40 45 2E 45	OODEC .ADDRESS P.AAZ OODFO P.ABB: .ASCII \LIKE.OBJECT_TYPE.EVENT_CLUSTER\ OODFF	
OF	59 45	54 40	5F 41	54 4E	43 5F	45 40	4A 41	42	4F 49	2E 47 45	45 4F 4C	00000001E 000000000 4B 49 4C 4C 2E 45 42 41 54	.BLKB 2 00110 P.ABA: LONG 30 .ADDRESS P.ABB 00118 P.ABD: .ASCII \LIKE.OBJECT_TYPE.LOGICAL_NAME_TABLE\ 00127 00136	
0	59	54	5F	54	43	45	4A 53	42	4F 43	2E 4F	45	00000023 000000000 48 49 40 50 26 45	.BLKB 1 0013C P.ABC: .LONG 35 00140 .ADDRESS P.ABD 00144 P.ABF: .ASCII \LIKE.OBJECT_TYPE.PROCESS\ 00153	
0	59 49	54 54	5F 43	54 45	43	45 5F					45 40	00000000 00000000 48 49 40 47 2E 45	0015C P.ABE: .LONG 24 .ADDRESS P.ABF .00164 P.ABH: .ASCII \LIKE.OBJECT_TYPE.GLOBAL_SECTION\ .00173	
D	41	4E	5F	54	43	45	4A	42	4F	2E	45	00000001F 000000000 4B 49 4C	.BLKB 1 00184 P.ABG: .LONG 31 .ADDRESS P.ABH .O18C P.ABJ: .ASCII \LIKE.OBJECT_NAME\	
											45	00000000 000000000 4B 49 4C 00000004	0019B 0019C P.ABI: .LONG 16 .ADDRESS P.ABJ 001A4 P.ABL: .ASCII \LIKE\ 001A8 P.ABK: .LONG 4	
C	49	46	35	45	50	59	54	5F	54	43	45	4A 42 4F	OTAC .ADDRESS P.ABL OTBO P.ABN: .ASCII \OBJECT_TYPE.FILE\ OTBF	
56	45	44	SE	45	50	59	54	5F	54	43	45	00000000 000000000 4A 42 4F 45 43 49	001CO P.ABM: .LONG 16 .O01C4 .ADDRESS P.ABN .O01C8 P.ABP: .ASCII \OBJECT_TYPE.DEVICE\ .O01D7	

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AED VO4	\$SET -000	ACL											16-Sep-1984 00:02:30	Page 16
45	55	51	SE.	45	50	59	54	5F	54	43	45	00000012 000000000 4A 42 4F 45 55	001DA .BLKB 2 001DC P.ABO: .LONG 18 001E0 .ADDRESS P.ABP 001E4 P.ABR: .ASCII \OBJECT_TYPE.QUEUE\	
45	56	45	2E	45	50	59 45	54 54	SF 53	54 55	43	45	000000011 000000000 4A 42 4F 5F 54 4E	001F5 001F6 P.ABQ: LONG 17 001FC .ADDRESS P.ABR 00200 P.ABT: .ASCII \OBJECT_TYPE.EVENT_CLUSTER\ 0020F	
47	4F 4C	40	2E 41	45	50 5F	59 45	54	5F 41	54 4E	43 5F	45	00000019 000000000 4A 42 4F 41 43 49	00219 0021C P.ABS: LONG 25 00220 .ADDRESS P.ABT 00224 P.ABV: ASCII \OBJECT_TYPE.LOGICAL_NAME_TABLE\ 00233	
4F	52	50	2E	45	50	59	54	5F	54	43	45	0000001E 000000000 4A 42 4F 53 45 43	00244 P.ABU: .LONG 30 00248 .ADDRESS P.ABV 0024C P.ABX: .ASCII \OBJECT_TYPE.PROCESS\ 0025B .BLKB 1	
46	40	47	SE	45 4E	50 4F	59 49	54 54	5F 43	54 45	43	45 5F	00000013 00000000 4A 42 4F 4C 41 42	00264 .ADDRESS P.ABX 00268 P.ABZ: .ASCII \OBJECT_TYPE.GLOBAL_SECTION\ 00277	
												0000001A 000000000 4C 43 41	00282	
								45	43	41	40	00000003 000000000 50 45 52	0028F .BLKB 1 00290 P.ACA: .LONG 3 00294 .ADDRESS P.ACB 00298 P.ACD: .ASCII \REPLACE\ 0029F .BLKB 1	
										52	45	00000007 000000000 54 46 41	002A0 P.ACC: .LONG 7 002A4 .ADDRESS P.ACD 002A8 P.ACF: .ASCII \AFTER\	© 0 0 0
			65	6E	69	60	20	64	6E	61	60	00000005 000000000 6D 6F 63 00000000 00000000	002AD 002BO P.ACE: LONG 002B4 .ADDRESS P.ACF 002B8 P.ACH: ASCII \command line\ 002C4 P.ACG: LONG 12 002C8 .ADDRESS P.ACH	
			65	6E	69	60	20	64	6E	61	60	6D 6F 63 0000000C 0000000C	002C8 .ADDRESS P.ACH 002CC P.ACJ: .ASCII \command line\ 002D8 P.ACI: .LONG 12	
										54	55	50 4E 49	OO2CG P.ACJ: ASCII \command line\ OO2DG P.ACI: LONG 12 OO2DC .ADDRESS P.ACJ OO2EO P.ACL: ASCII \INPUT\ OO2E5 .BLKB 3	•
												00000000	002E8 P.ACK: LONG 5 002EC .ADDRESS P.ACL	
													.PSECT \$0WN\$,NOEXE,2	
													00000 FLAGS: .BLKB 2 00002 .BLKB 2 00004 WORST_ERROR: .BLKB 4	

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VAX-11 Bliss-32 V4.0-742 [ACLEDT.SRC]SETACL.B32;1

Al V

AEDSSETACL VO4-000							00884 00888 00890 01490 01498 014A0	K 14 6-Sep-1984 00:02 4-Sep-1984 11:52 ACE_POINTER: BLKB ACE_TEXT_DESC: BLKB OLD_ACE_HEAD: BLKB NEW_ACE_HEAD: BLKB DIR_GROUP: BLKB DIR_GROUP: BLKB	4 8 3072 8 8 4 4
								SRMS_PTR= SRMS_PTR= SRMS_PTR= SRMS_PTR= EXTRN .EXTRN	SOBJECT NAM OBJECT NAM OBJECT NAM OBJECT NAM SETS NOHIDDEN, SETS OBJLOCKED SETS IVORDER, SETS NOSUCHACE SETS MODIFIED, CLISGET VALUE CLISPRESENT, LIBSFID TO NAME LIBSFILE SCAN, LIBSQUAL FILE MATCH LIBSQUAL FILE PARSE LIBSTPARSE, SYSSCHANGE ACL LIBSSIGNAL, SYSSOPEN SYSSPARSE ACL, LIBSGET VM SYSSQIOW, SYSSDASSGN
24 0040 8F 08	067C 0888 10 0338 10 0600	00 00 00 00 08 08 08 A8 C8 AE C8	0670 0670 0670 0670 0670 0670	5B 00000000 5A 0000 59 00000000 58 0000 5E 6E 064 6E 067 C8 C8 C	06 00 06 00 06 00 18 00 08 08 08 08 08 08 08 08	-	00022 00025 0002C 0002F 00034	PSECT ENTRY MOVAB MOVAB MOVAB SUBL2 MOVC5 MOVC5 MOVC5 MOVC3 MOVC3 MOVC3 MOVC3 MOVC3 CLRU CLRL CLRL CLRL CLRL CLRL	SCODES, NOURT, 2 SET_ACL, Save R2, R3, R4, R5, R6, R7, R8, R9, R10, - 0268 R11 LIB\$SIGNAL, R11 P.AAA, R10 CLI\$PRESENT, R9 FLAGS, R8 #24, \$P #0, (\$P), #0, #36, ATR_ARGLIST #0, (\$P), #0, #64, \$FILE_FIB #0, (\$P), #0, #8, CLI_ACE_DESC #8, CLI_ACE_DESC, ACE_TEXT_DESC #8, CLI_ACE_DESC, ACE_TEXT_DESC #8, CLI_ACE_DESC, OBJECT_NAME #8, CLI_ACE_DESC, OBJECT_NAME #8, CLI_ACE_DESC, SOBJECT_DESC #8, CLI_ACE_DESC, SOBJECT_DESC #8, CLI_ACE_DESC, SOBJECT_DESC #8, CLI_ACE_DESC, SFIB_DESC #8, CLI_ACE_DESC, SFIB_DESC #8, CLI_ACE_DESC, SFIB_DESC #8, CLI_ACE_DESC, SFIB_DESC #8

AEDSSETACL V04-000						16-S 14-S	4 ep-1984 00:02 ep-1984 11:52	:30 YAX-11 BLiss-3	2 V4.0-742 TACL.832:1	Page (3)
•		04 0673 13 0338 13 0600 0604 0680 1494 1490	A88 CA88 CA88 CC80 CC80 CC80 CC80 CC80 C	0608 0684 1490 1498	00000000000000000000000000000000000000	DO 00079 90 00070 90 00082 90 00086 90 00086 90 00086 9E 00098 9E 00098 9E 000A2 DO 000A7 DO 000AC 9E 000B1 DO 000B6 DO 000B6 DO 000B6 DO 000C3 FB 000C5 3C 000CC DO 000D0 B1 000D3	MOVL MOVB MOVB MOVB MOVB MOVAB MOVAB MOVAB MOVL MOVL MOVL MOVL MOVL MOVL MOVL CALLS MOVZWL MOVL CMPW BLEQU MOVL CMPC5	#1, WORST ERROR #2, CLI ACE DESC+3 #2, OBJECT NAME+3 #2, SOBJECT DESC+3 #2, CMD DESC+3 #10, SFIB DESC SFILE FIB, SFIB DESC ACE, ACE DESC+4 OLD ACE HEAD, RO RO, OLD ACE HEAD+4 RO, OLD ACE HEAD NEW ACE HEAD, RO RO, NEW ACE HEAD+4 RO, NEW ACE HEAD+4 RO, NEW ACE HEAD CMD DESC R10	+4	0307 0308 0319 0311 0313 0314 0316
		00000006	00 54 50 04 50 BE	10	50 03	1B 000D6 D0 000D8	PUSHL CALLS MOVZWL MOVL CMPW BLEQU MOVL	#2, CLISGET_VALUE CMD_DESC, R4 R4, R0 R0, #4		0324 0325
50	00	01 00 0334	A8 A8 C8 50	08	00 20 01	2D 000DB 18 000E1 12 000E3 88 000E5 D0 000E9 D0 000E9 D0 000F2 B1 000F5 1B 000F8 D0 000FA 2D 000FD 38		#4, R0 R4, acmd_desc+4, #0, 2\$ #32, FLAGS+1 #1, OBJECT_TYPE #1, SOBJECT_TYPE R4, R0 R0, #9 3\$ #9, R0	RO, P.AAC	0324 0329 0330 0331 0335
50	00	14	50 BE	oc		DO 000FA 2D 000FD 3\$	MOVL CMPW BLEQU MOVL CMPC5	KT, BUND_DESCTT, NO.	RO, P.AAD	0334
		01 00 0334	A8 A8 C8 50	40	AEF1140364AD02240334AEF1	00103 12 00105 88 00107 00 00100 00 00110 00 00115 48 B1 00118 18 00118 18 00118 20 00120 5\$	BNEQ BISB2 MOVL MOVL CMPW BLEQU MOVL CMPC5	4\$ #64, FLAGS+1 #1, OBJECT_TYPE #1, SOBJECT_TYPE R4, R0 R0, #6 5\$ #6, R0 R4, @CMD_DESC+4, #0,		0339 0340 0341 0345
50	00	14	50 BE	18	06 54 AA	DO 0011D 2D 00120 5\$ 00126		#6. RO R4. acmd_desc+4. #0,	RO, P.AAE	0344
		01 00 0334	A8 A8 C8 50		0D 10 02 02 54	00126 12 00128 88 0012A D0 0013E D0 00137 B1 0013A 1B 0013D D0 0013F 2D 00142 78 12 0014A 88 0014C D0 00151	BNEQ BISB2 MOVL MOVL CMPW BLEQU MOVL CMPCS	6\$ #16, FLAGS+1 #2, OBJECT TYPE #2, SOBJECT_TYPE R4, R0 R0, #3 7\$ #3, R0 R4, acmd_desc+4, #0,		0349 0350 0351 0355
50	00	14	50 BE	20	03 54	DO 0013F 2D 00142 78			RO, P.AAF	0354
		01 00	A8 A8	80	0E 8F 01	12 0014A 88 0014C D0 00151	BNEQ BISB2 MOVL	8\$ #128, FLAGS+1 #1, OBJECT_TYPE		0359 0360

NEDSSETACL 104-000						M 14 16-Sep 14-Sep	-1984 00:02 -1984 11:52	:30 :34	VAX-11 BLISS-32 V4.0-742 CACLEDT.SRCJSETACL.B32;1	Page 2
		0334	C8	20	1 D	•			OBJECT_TYPE	: 036 : 036
68	01		69		Î F	B 00150 0 00160 F 00165	CALLS	W1. C	LISPRESENT 0, #1, FLAGS	, 030
			69	30	F F F F F F F F F F F F F F F F F F F	0 00155 F 0015A 8\$: B 0015D 0 00160 F 00165 B 00168 0 0016B	PUSHAB CALLS INSV PUSHAB CALLS INSV PUSHAB	P.AAI	LISPRESENT	036
68	01			40	0 F	0 0016B F 00170 B 00173	INSV PUSHAB	RO, #		036
68	01		69 01			0 00176	INSV	RO.	LISPRESENT 1, #1, FLAGS	036
68	01		69	30	Î F	0 00176 F 0017B B 0017E 0 00181 F 00186 B 00189 0 0018C F 00191 B 00194 0 00197	CALLS INSV PUSHAB	#1. C	LISPRESENT 3, #1, FLAGS	, 030
				68	A 9	F 00186 B 00189	PUSHAB	P. AA0) LISPRESENT	037
68	01		69	74	O F	0 0018C F 00191	INSV PUSHAB	RO. A	4, #1, FLAGS	037
68	01		69 05	0000	0 F	B 00194 0 00197	CALLS INSV	#1, C	LISPRESENT 5, #1, FLAGS LISPRESENT	
68	01		69 02 03	58 68 74 0080	1 F	## 0019C ## 001A0 ## 001A3 ## 001A8 ## 001AB ## 001B1 ## 001B3 ## 001B7 ## 001BA ## 001BD	CALLS INSV PUSHAB CALLS INSV PUSHAB CALLS INSV PUSHAB CALLS INSV BLBS	#1, C	LISPRESENT	037
00	O1		03	01	ŎĘ	8 001A8	BLBS	RO. 9	2, #1, FLAGS	
				01	8 9	8 001A8 1 001AB 5 001AE 9\$: 8 001B1	BRW TSTB BGEQ	FLAGS	i+1	038
			69	00A0	A 9	F 001B3 B 001B7	BGEQ PUSHAB CALLS	P. AAL	LISPRESENT OS	038
		0334	69 05 C8	0000	1 D	9 001BA 0 001BD F 001C2 10\$:	BLBC	#1. S	OBJECT_TYPE	0.79
			69 05	0000	Î F	B 001C6	PUSHAB CALLS BLBC	P. AAW #1, C RO, 1	LISPRESENT	038
		0334	CB			0 001CC F 001D1 11\$: B 001D5 9 001D8 0 001DB 0 001E0 12\$: B 001E4 9 001E7 0 001EA F 001EF 13\$:	MOVL PUSHAB	P.AAY	OBJECT_TYPE	038
			69 05 68		1 F	B 00105 9 00108	CALLS BLBC	#1. C RO, 1	LISPRESENT 28	
		0334		0108	3 D	B 001D5 9 001D8 0 001DB F 001E0 12\$: B 001E4 9 001E7	MOVL PUSHAB CALLS BLBC MOVL PUSHAB	P. ABA	OBJECT_TYPE	038
		077/	69 05 C8		O E	9 001E4	BLBC	RO. 1	LISPRESENT 3\$	
		0334		0134	A 9	0 001EA F 001EF 138:	PUSHAB	P. ABC	OBJECT_TYPE LISPRESENT SOBJECT_TYPE LISPRESENT SS OBJECT_TYPE LISPRESENT 45 OBJECT_TYPE	038
		0334	69 05 68		0 E	9 001F6 0 001F9	BLBC	RO. 1	4\$ OBJECT_TYPE	
	•			0154	A 9	F 001FE 145:	PUSHAB	P. ABE	L I SPRESENT	039
		0334	69 05 C8	0170	100 B D D D D D D D D D D D D D D D D D D	B 001F3 9 001F6 00 001F9 0F 001FE 14\$: B 00202 9 00205 00 00208 0F 0020D 15\$: B 00211 9 00214 00 00217 0F 0021C 16\$: 0F 00220 1 00224	CALLS BLBC MOVL PUSHAB CALLS BLBC MOVL PUSHAB CALLS BLBC MOVL PUSHAB	RO. 1	OBJECT_TYPE LISPRESENT OBJECT_TYPE LISPRESENT OS OBJECT_TYPE CT_DESC	070
			69	0170	1 6	0020D 15\$: 8 00211	CALLS	#1. C	LISPRESENT	039
		0334	69 05 68	0338	10 E 10 E 17 D 18 9 18 1	9 00214 0 00217 F 0021C 16\$:	MOVL	#7 S	OBJECT TYPE	039
				0338 0194	A S	F 00220	PUSHAB PUSHAB BRB	P. ABI		

NEDSSETACL							1	1 14 5-Sep-1 6-Sep-1	984 00:02 984 11:52		VAX-11 Bliss-32 V4.0-742 [ACLEDT.SRC]SETACL.B32;1	Page	(3)
			000000006 0640 0650	0338 01A0 01A0 000A0004 0330	C8 CA 02 8F C8 7E	9F FB DO PE 7C	00226 0022A 0022E 00235 0023E	17\$: 18\$:	PUSHAB PUSHAB CALLS MOVAB CLRQ CLRL PUSHAB PUSHAB PUSHAB PUSHAB PUSHL CALLS	SOBJ P.AB #2 #655 SACL -(SP	ECT_DESC K CLISGET_VALUE 364, ATR_ARGLIST LOCKID, ATR_ARGLIST+4 T ARGLIST ECT_DESC ECT_TYPE N SYS\$CHANGE_ACL		394 399 400 404
			00000000 g	064C 0338 0334 05F0	C8 C8 C8 C8 C7 S57 04B9	94 94 95 95 95 95 95 95 95 95 95 95 95 95 95	00249 00240 00251 00255 00259 00260 00263		PUSHAB PUSHAB PUSHAB PUSHL (ALLS MOVL BLBS BRW	ATR SOBJ SOBJ SCHA #7, RO, STAT	ARGLIST ECT_DESC ECT_TYPE N SYS\$CHANGE_ACL STATUS US, 19\$	04	405
			(0334	C8	D1	00269 0026F	198:	CMPL BEQL BRW	\$08J 20\$ 22\$	ECT_TYPE, #1	04	416
0050	8F	00		0340	00	ŞĊ	00270 00273 0027A	20\$:	MOVC5	#0.	(SP), #0, #80, \$RMS_PTR	04	425
0060	8F	00	0340 0344 0356 035F 0368 036C	0340 5003 8 00020000 8 4202 8 0390 8 0338 8 0338	00950088FF288BF288BF4BF0C88BF4F	80 90 90 90 90 90	0027A 0027D 0028D 0028D 00294 00299 002A7 002AE		MOVU MOVU MOVB MOVAB MOVL MOVB MOVC5	#131 #168 #2 SOBJ SOBJ #0,	83, \$RMS PTR 072, \$RMS PTR+4 98, \$RMS PTR+22 \$RMS PTR∓31 ECT_NAM, \$RMS PTR+40 ECT_DESC+4, \$RMS PTR+44 ECT_DESC, \$RMS PTR+52 (SP), #0, #96, \$RMS_PTR	04	430
				0390 8 6002 8 04F0 8 03F0 0340	8F 01 C8 01 C8 01	80 8E 9E 9F FB FB DD FB	00203		MOVW MNEGB MOVAB MNEGB MOVAB PUSHAB CALLS BLBS MOVQ PUSHAB PUSHL CALLS MOVL RET	#245 #1 \$08J	78, \$RMS PTR \$RMS PTR = 2 ECT RES NAME, \$RMS_PTR+4 \$RMS_PTR+10 ECT EVE NAME \$PMS_PTR+12	04	431
				0348 0340 0340 0077109A	50 C8 8F 04 8F	70 9F 00 FB	002E2 002E5 002EA 002EE 002F4		BLBS MOVQ PUSHAB PUSHL CALLS MOVL	RO SOBJ \$0BJ #780 #4 #276	ECT_FAB SYSSOPEN 218 ECT_FAB+8, -(SP) ECT_FAB 3034 FILE ERROR 238490, RO		434 436
			05F0 (34 034C	C8 A8	00 95	00300	218: 228:	MOVL TSTB	SOBJ	ECT_FAB+12, SCHAN	04	438 444
			oc 8	0188 014	C8 62 CA 01 50 01 CA 01 50 CA 01 50 CA	D0 95 18 9F FB E9	0030B 0030D 00311 00314		MOVL TSTB BGEQ PUSHAB CALLS BLBC MOVL PUSHAB CALLS BLBC MOVL PUSHAB	295		:	447
				01D4 01D4 04 04	CA 01	9F	0031B 0031F 00322	238:	PUSHAB CALLS BLBC	P. ÁB	O CLISPRESENT	04	448
				01F0	02 CA 01 50	FB E9 00 9F FB	00325 00329 00320 00330	248:	MOVL PUSHAB CALLS BLBC	P. AB #1. RO,	CLISPRESENT 23\$ OBJECT_TYPE OCLISPRESENT 24\$ OBJECT_TYPE CLISPRESENT 24\$ CLISPRESENT 25\$	04	449

AEDSSETACL V04-000							1	15 5-Sep-1 4-Sep-1	984 00:02 984 11:52	: 30 : 34	VAX-11 Bliss-32 V4.0-742 [ACLEDT.SRC]SETACL.B32;1	Page (3)
		00	8A	0214	03 CA	00 9F	00333	258:	MOVL PUSHAB	#3, P.A	OBJECT_TYPE	0450
		ОС	69 04 A8		50 04	FB E9 D0 9F	0033B		BLBC	RO.	CLISPRESENT	
		00		0230	ÇA Q1	9F FB E9	00345 00349 00340	26\$:	PUSHAB	#1.	. CLISPRESENT	0451
		ОС	69 04 A8	0258	50 05	E9 00 9F	0034C 0034F 00353	27\$:	PUSHAB CALLS BLBC MOVL PUSHAB CALLS BLBC MOVL PUSHAB CALLS BLBC MOVL PUSHAB CALLS	RO.	, 27\$, OBJECT_TYPE	04.52
			69 04 A8	0230	01 50	FB E9	00357 0035A 0035D	6101	CALLS	#1. RO.	CLISPRESENT	0452
		00		0270	06 CA 01	DO 9F	00361	28\$:	MOVL PUSHAB CALLS	#6. P.A	ABY CLISDDESENT	0453
		ОС	69 04 A8	0470	50	FB E9 D0 9F	00365 00368 00368 0036F	200	BLBC MOVL	RO.	CLISPRESENT 298 OBJECT_TYPE ACE_DESC	
		00000006	00	0670 028 8	507 07 07 00 00 00 00 00 00 00 00 00 00 0	9F FB	00373	29\$:	BLBC MOVL PUSHAB PUSHAB CALLS BLBS BRW MOVW	P.A	CLISGET_VALUE	0458
		0670	03 C8	0200	50 00B	E8	0037E 00381	308:	BLBS BRW MOVE	#2 R0 41		0461
		0070				B0 D4 9F	0037E 00381 00384 0038B 0038D	300.	CLRL	#51 -(S ERR	OND DOC	0461 0464
		00000006	00	0678 0670 0670	C8 C8 C8 C9 C9 C9 C9 C9 C9 C9 C9 C9 C9 C9 C9 C9	9F 9F FB	00391		CLRL PUSHAB PUSHAB CALLS MOVL BLBS ADDL2 SUBW2	CLI	DESC LACE DESC SYSSPARSE_ACL STATUS TUS, 328	
			57 24	0479		FB DO E8 CO A2	003A0 003A3 003A6	318:	MOVL BLBS	RO.	STATUS TUS, 32\$	0465
		0674 0670	83	067 8 067 8	C8 C8 7E	D4	003AD 003B4 003B6	318:	SUBW2 CLRL	FRR	ROR_POS, CLI_ACE_DESC+4 ROR_POS, CLI_ACE_DESC	0465 0468 0469 0470
				0670	57 C8 01	DD 9F DD	003B6 003B8 003BC		CLRL PUSHL PUSHAB PUSHL PUSHL CALLS BRU BBC	STA CLI	TUS LACE_DESC	•
			68	007710FC	8F 05	DD	003RF		PUSHL	# 73	03132 LIB\$SIGNAL	
		20 0687	C8	00000006	000 00 00	E1 9f	003C4 003C7 003CA 003D0 003D6 003D9	32 \$:		SET	ACE+3, 35%	0473 0476
			6B 50	00000006	01 00 50	FB 9E	003D6 003D9 003E0		MOVAB	SET	EIB\$SIGNAL \$ NOHIDDEN, RO 34\$ T\$ NOHIDDEN&7>, RO	•
50	04	A8	50 03	00000000	ÕÕ	9E ED	003E3		CALLS MOVAB BLBS MOVAB CMPZV BGEQ MOVAB	<\$E	TS_NOHIDDEN&7>, RO #3, WORST_ERROR, RO	•
		04	A8	00000000*	008 005 3E88 008 005 008 008 008 008 008 008 008 0	9E 31	003F2 003FA	348:	MOVAB BRW	343 <se 798</se 	T\$_NOHIDDEN!268435456>, WORST_ERROR	0477
		04	AE AE	0884 0684	68 68	9F	003FD 00401	348: 358:	BRW PUSHAB MOVZBL	ACE	POINTER	0477 0479
		000000006		04	S S S S S	CO 9F FB	003FD 00401 00407 0040B 0040E 00415 0041B		MOVZBL ADDL2 PUSHAB CALLS	4(5	4(SP) 4(SP) P) LIB\$GET_VM	
			56 10 50	0684	50 56 68	E9	00415		MOVL BLBC MOVZBL	RO.	LIBSGET VM VM STATUS STATUS, 368 , RO	

AEDSSETACL V04-000	6							16 14	-Sep-1 -Sep-1	984 00:02 984 11:52	:30 :34	VAX-11 Bliss-32 V4.0-742 LACLEDT.SRCJSETACL.B32;1	Pag	e (3)
50		00		50 6E	0884	08 00 08 56	50 0	0420 0423 0428		MOVC5		RO (SP), #0, RO, @ACE_POINTER		
				57 03	0004	21	DO 0	042B 042E 0431	365:	MOVL	VM_S	TATUS STATUS US, 378		0480
	08	46	0684	50 56	0684 0884	0323	9A 0	00434	378:	BRW MOVZBL MOVL	728 ACE, ACE	RO POINTER, R6 ACE, 8(R6) FLAGS, 38\$ FLAGS, 39\$		0486
	00	A6 04 07	0004	50 56 68 68 50	4/0/	01	E0 0)043E)0445)0449	700	MOVL MOVC3 BBS BBC	#1. #4.	FLAGS 388 FLAGS 398		0487
					1494	05	11 0	00452	388:	MUAL	403	ACE_READY4, RU		0488
				50 60	1490	66	0E 0	0454	39 \$:	BRB MOVL INSQUE	(R6)	ACE_HEAD+4, RO , (RO)		0489
		07		49	0670	FF10 C8 04	9F 0	0459 0456 0456 0463 0467	415:	BRW PUSHAB	295 CLI_	ACE_DESC		0458
		Ur		68 50	0298	CA	9E C	0467		BBC MOVAB	P.AC	ACE_DESC FLAGS, 42\$ C. RO		0495
				50	02A8	CA	9E 0	046E	428:	MOVAB	P.AC	E, RO		0496
			0000000G	00		CA CA CA CA CA CA CA CA CA CA CA CA CA C	FB 0	0475 0475 047C	4381	BRB MOVAB PUSHL CALLS BLBS	RO #2, RO 53\$	CLISGET_VALUE		0494
			0670	C8	0200	009A 8F 7E	BO 0	00482	448:	MOVE	#512 -(SP	ACE_DESC	:	0499
					0678 0670 0670		9F 0	0489 0488 048F		CLRL PUSHAB PUSHAB PUSHAB CALLS MOVL BLBS	ERROI ACE_	POS DESC ACE DESC SYSSPARSE_ACL STATUS US, 478		0502
			0000000G	00 57	0670	08 04	9F 0)0493)0497		PUSHAB	CLI_	ACE_DESC SYS\$PARSE_ACL		
				57 11		50 57	D0 0	049E		MOVL BLBS	RO,	STATUS US, 478		0503
04	04	A8		03		C8 C8 C8 C8 C8 C8 C8 C8 C8 C8 C8 C9 C9 C9 C9 C9 C9 C9 C9 C9 C9 C9 C9 C9	E8 0	1048F 10493 10497 1049E 104A1 104A4 104A7 104AF	458:	CMPZV	31\$ #0 46\$	#3, WORST_ERROR, #4		0503 0506 0508
						00AD	18 0 31 0	04 AD		BRW	465 578		•	
		03	0687	68		00AD 032D 02	31 0 E1 0	0482 0485	46 \$:	BRW BBC	798	ACE+3, 48\$	•	0511
			04	45	0884 0684	FF12	9F 0	0485 0488 048E 0462 0468	48\$:	BRW PUSHAB	ACE_	POINTER		0517
			04	AE AE		08	co o	0468		MOVZBL ADDL2 PUSHAB CALLS	W8	4(SP) 4(SP)		
			0000000G	00	04	C888E206	FB 0	04CC 04CF 04D6 04D9		CALLS	4(2h	LIBSGET VM		
				10	0494	56	DO 0	04D9		BLBC	VM_S	TATUS, 498		
50		00		56 10 50 50 6E	0684	C8 00 08 567	CO 0	04DC 04E1 04E4		MOVL BLBC MOVZBL ADDL2 MOVC5	#8.	LIBSGET VM VM_STATUS TATUS, 498 RO RO (SP), #0, RO, @ACE_POINTER	•	
70		VV			0884	ğğ	0	MAFQ	494.				0	
				57 03		57	E8 0	04EF	770.	MOVL BLBS BRW MOVZBL	STATI	TATUS, STATUS US, 508	•	0518
				50 56 08	0684 0884	0262 80 80 50	9A 0	04EC 04EF 04F2 04F5 04FA	50\$:	MOVZBL	ACE.	RO POINTER, R6 ACE, 8(R6)	•	0524
	08	A6	0684	(8	2004	ŠŎ	28 0 00 0	04FF		MOVE 3	RO.	ACE, 8(R6)		

AED\$SETACL				D 15 16-Sep-1984 00 14-Sep-1984 11	:02:30 VAX-11 Bliss-32 V4.0-742 :52:34 [ACLEDT.SRC]SETACL.832:1	Page 24
	07	68	C C8	E1 00506 BBC D0 0050A MOVL 11 0050F BRB		: 0525 : 0526
		50 149 60	05	11 0050F D0 00511 511: MOVL QE 00516 52: INSQ	OLD ACE HEAD+4, RO UE (R6), (RO)	
		50 149 50 149	V LO	AF ODJIC DOD: MONA	8 OLD_ACE_HEAD, RO	0527 0525 0494 0532
		50 149 50 149	20	12 00526 BNEQ 9E 00528 MOVA D1 0052D CMPL	565 B NEW_ACE_HEAD, RO NEW_ACE_HEAD, RO	0533
	08	0C 68		12 00532 BNEQ E8 00534 BLBS E0 00537 BBS	B NEW ACE HEAD, RO NEW ACE HEAD, RO 56\$ FLAGS, 54\$ #4, FLAGS, 54\$ #5, FLAGS, 58\$ #2, FLAGS, 58\$ AB P.ACG	0536
	08 26 27	0C 68 68 68	05 02	E8 00534 BLBS E0 00537 BBS E1 0053B BBC E0 0053F BBS 9F 00543 54%: PUSH	#5, FLAGS, 58\$ #2, FLAGS, 58\$	0537
		028 007710F 68	C 8F	DD 00547 555: PUSH DD 00549 PUSH FB 0054F CALL	AB P.ACG L #1 L #7803132 S #3, LIB\$SIGNAL 45\$	0540
	11	68	02 0 CA	E1 00555 56%: BBC	#2, FLAGS, 58\$	0546 0549
	C	04 A8 107710F	0 CA E8 C 8F 0278	11 0055D D0 0055F 575: BRB 31 00567 BRW		0550
		01 0	03 0173	D1 0056A 585: CMPL 13 0056E BEQL	OBJECT_TYPE, #1	0550 0557
0050 BF	00	6E	0173	31 00570 20 00573 598: BRW MOVC	705 5 #0, (SP), #0, #80, \$RMS_PTR	0564
0060 BF	00	8 A8 500 C A8 0002000 E A8 420 57 A8 60 A8 6	0 8F	0057A B0 0057C	#20483, \$RMS_PTR #131072, \$RMS_PTR+4 #16899, \$RMS_PTR+22 #2, \$RMS_PTR+31 B OBJECT_NAM, \$RMS_PTR+40 5 #0, (SP), #0, #96, \$RMS_PTR	0569
		58 A8 600 5A A8 5C A8 010	8 A8 2 8F 01 8 C8 01	005A0 B0 005A2 BE 005A8 9E 005AC BE 005B2 9E 005B6 9F 005B6 9F 005BC 3C 005C0 9F 005C6 FB 005C9 D0 005D0 E8 005D3 31 005D6 BA 005D9 BA 005D9 BICB FB 005E0 CALL FB 005E5 BICB BRW BICB BRW BICB BRW BICB BRW BRW BRW BRW BRW BRW BRW B		
		74 A8 000 064 04 AE 011	8 (8 F 8F	9F 005BC PUSH 3C 005C0 MOVZ	AB COMMON CTX HI #287. Z(SP)	0574 0578 0574
	0000000	00 00	AE 02	9F 005C6 PUSH FB 005C9 CALL	AB 4(SP) S #2, LIB\$QUAL_FILE_PARSE	0574
		00G 00 57 03	50 57	D0 005D0 MOVL E8 005D3 BLBS	RO, STATUS STATUS, 608	0580
	000	01 A8 00V CF 03	017E 08 8 A8 01 50	9F 005C6 PUSH FB 005C9 CALL D0 005D0 MOVL E8 005D3 BLBS 31 005D6 BRW 8A 005D9 60\$: BICB 9F 005DD 61\$: PUSH FB 005E0 CALL E8 005E5 BLBS 31 005E8 BRW E0 005EB 62\$: BBS 31 005EF 63\$: BRW	72\$ 2 #8 FLAGS+1 AB OBJECT FAB S #1 GET_FILE R0 62\$ 79\$	0590 0591
	03	68	01 F 7 06 00DC	31 005E8 BRW E0 005EB 62\$: BBS 31 005EF 63\$: BRW	79\$ #6, FLAGS, 64\$	0598

	E 15 16-sep-1984 00:02:30	Page (3)
05F0	C8 D5 005F2 648: TSTL SCHAN E7 13 005F6 BEQL 638	0603
28	7E 7C 005FC CLRQ -(SP) 7E 7C 005FE CLRQ -(SP) AE 9F 00600 PUSHAB 10 STATUS	
05F0 000G 00	C8 DD 00605 PUSHL SCHAN 7E D4 00609 CLRL -(SP) 0C FB 0060B CALLS #12 SYS\$QION	•
57 07	50 00 00612 MOVL RO, STATUS 57 E9 00615 BLBC STATUS, 658 AE 3C 00618 MOVZWL IO STATUS, STATUS 57 E8 0061C BLBS STATUS, 668	0604 0605
0338	7E D4 0061F 658: CLRL -(SP) 57 DD 00621 PUSHL STATUS C8 9F 00623 PUSHAB SOBJECT_DESC 01 DD 00627 PUSHL #1	0
00771052 6B 03	8F DD 00629 PUSHL #7802962 05 FB 0062F CALLS #5, LIB\$SIGNAL 00 ED 00632 CMPZV #0, #3, WORST_ERROR, #2	
04 A8 10771052 0006 00	8F DO 0063A MOVL #276238418, WORST_ERROR C8 DD 00642 66\$: PUSHL SCHAN 01 FB 00646 CALLS #1, SYS\$DASSGN	0606
	57 E8 00650 BLBS STATUS, 67\$ 7E D4 00653 CLRL -(SP)	0607
00771052	CB 9F 00657 PUSHAB SOBJECT_DESC 01 DD 0065B PUSHL #1 8F DD 0065D PUSHL #7802962 05 FB 00663 CALLS #5, LIB\$SIGNAL	•
	00 ED 00666 CMPZV #0, #3, WORST_ERROR, #2 08 18 0066C BGEQ 67\$ 8F DO 0066E MOVL #276238418, WORST_ERROR 8F DO 00676 67\$: MOVL #786436, ATR_ARGLIST	0612
	C8 9E 0067F MOVAB SACL_LOCKID, ATR_ARGLIST+4 7E 7C 00686 CLRQ -(SP) 7E 04 00688 CLRL -(SP) C8 9F 0068A PUSHAB ATR ARGLIST	0612 0613 0617
0338 0334 05F0	C8 9F 0068E PUSHAB SOBJECT DESC C8 9F 00692 PUSHAB SOBJECT TYPE C8 DD 00696 PUSHL SCHAN	
57 23	50 DO 006A1 MOVL RO, STATUS 57 E8 006A4 BLBS STATUS, 68\$ 7E D4 006A7 CLRL -(SP)	0618
0338	57 DD 006A9 PUSHL STATUS C8 9F 006AB PUSHAB SOBJECT_DESC 01 DD 006AF PUSHL #1 AF DD 006B1 PUSHL #7802962	0
6B 03	05 FB 006B7	
	28 05F0 00006 00 57 07 57 23 0338 00771052 68 03 04 A8 10771052 05F0 0771052 68 03 00771052 68 03 00771052 68 03 00771052 68 03 00771052 68 03 00771052 68 03 00771052 68 03 00771052 68 03 00771052	F7 13 005F6 BEQL 63% F7 F7 7C 005F8 CLRQ -(SP) F7 F7 F7 7C 005F6 CLRQ -(SP) F7 F7 F7 F7 F7 F7 F7 F

V

BBC BLBC 0661

00000000G 00 9F 00788 PUSHAB SETS MODIFIED 68 00000000G 00 9E 00761 MOVAB SETS MODIFIED, RO 17 50 00000000* 00 9E 00768 BLBS RO, 79\$ 50 00000000* 00 9E 00768 MOVAB SETS MODIFIED&7>, RO 50 00 AB 00000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 68 00000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 69 00000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 69 00000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 00000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 00000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 000000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 000000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 000000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 000000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 000000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 000000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 000000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 000000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 0000000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO 60 000000000* 00 9E 0070B MOVAB SETS MODIFIED&7>, RO	AEDSSETACL VO4-000		G 15 16-Sep-1984 00:02:30	Page 27
OF DOLES HEL	50	04 A8	00000000G 00 9F 007B8 PUSHAB SET\$ MODIFIED 6B 03 FB 007BE CALLS #3, [IB\$SIGNAL 50 0000000G 00 9E 007C1 MOVAB SET\$ MODIFIED, RO 17 50 E8 007C8 BLBS RO, 79\$ 50 00000000* 00 9E 007CB MOVAB <set\$ modified&7="">, RO 03 FB 007D2 CMPZV #0, #3, WORST_ERROR, RO 04 FB 007D4 RGEQ 79\$</set\$>	0662 0665 0667

NOT .FLAGS[SET_DIR_CMD] OR (.FLAGS[SET_DIR_CMD] AND NOT .FLAGS[IN_ELLIPSE])

After the final ellipse, check to see if it is at the end of the directory specification. If so, then change the context field of the fab, and insert an end bracket at the beginning of the ellipse.

IF (.STR_PTR EQL TEMP_STRING + .OBJECT_FAB[FAB\$B_FNS] -1)
THEN______ BEGIN

```
AEDSSETACL
VO4-000
                                                                                                                                                VAX-11 Bliss-32 V4.0-742 [ACLEDT.SRCJSETACL.832:1
                                                                                                                                                                                                           Page
                                                           END
                                          If here, then the trailing ellipse has been processed, and this is the second time thru. Restore the original file name.
                                              ELSE
                                                   BEGIN
OBJECT_FAB[FAB$L_FNA] = .FILE_DESC[DSC$A_POINTER];
OBJECT_FAB[FAB$B_FNS] = .FILE_DESC[DSC$W_LENGTH];
FLAGS[IN_ELLIPSE] = 0;
                                                                                                                                                ! Original filename
! Original length
                                                                                                                                      Ellipse processed
                                       ! Parse the input string
                                              SNAM_INIT (NAM = RELATED_NAM);
IF (.OBJECT_NAM[NAMSB_DEV] NEQ 0)
                                                                                                                                      Re-init the RLF
                                                                                                                                      If a device was
                                                                                                                                      specified, then
                                                    BEGIN
OBJECT_FAB[FAB$L_DNA] = .OBJECT_NAM[NAM$L_DEV]; ! Make device sticky
OBJECT_FAB[FAB$B_DNS] = .OBJECT_NAM[NAM$B_DEV];
                                              IF NOT (STATUS = SPARSE (FAB = OBJECT_FAB))
                                              THEN
                                                   BEGIN

DESC[DSC$W_LENGTH] = .OBJECT_FAB[FAB$B_FNS];

DESC[DSC$A_POINTER] = .OBJECT_FAB[FAB$E_FNA];

FILE_ERROR (SET$_SYNTAX, OBJECT_FAB, .STATUS, 0);
                                       ! Check the parsed string for legality, i.e. nothing after the directory
                                             IF (.OBJECT_NAM[NAM$B_NAME] NEQ 0 OR .OBJECT_NAM[NAM$B_TYPE] NEQ 1 OR .OBJECT_NAM[NAM$B_VER] NEQ 1)
                                                   BEGIN
DESC[DSC$W_LENGTH] = .OBJECT_FAB[FAB$B_FNS];
DESC[DSC$A_POINTER] = .OBJECT_FAB[FAB$[ FNA];
FILE_ERROR (SET$_SYNTAX, OBJECT_FAB, SS$_BADIRECTORY, 0);
                                       ! Determine what the directory terminator character was, and save it.
                                              ENDCHAR = .(.OBJECT_NAM[NAM$L_DIR] + .OBJECT_NAM[NAM$B_DIR] - 1);
                                       ! The directory string must now be analyzed and manipulated so that the ! final directory entry becomes a file. First, initialize some pointers.
                                              DESC[DSC$W_LENGTH] = .OBJECT_NAM[NAM$B_ESL] - 2;
DESC[DSC$A_POINTER] = .OBJECT_NAM[NAM$C_ESA];
STR_PTR = .DESC[DSC$A_POINTER];
STR_LEN = .DESC[DSC$W_LENGTH];
```

AI

If the pointer is inside the bracket, then the last directory name

must be moved out of the brackets.

ELSE

BEGIN

Page

```
M 15
16-Sep-1984 00:02:30
14-Sep-1984 11:52:34
AEDSSETACL
VO4-000
                                                                                                                                                                                         VAX-11 Bliss-32 V4.0-742 LACLEDT.SRCJSETACL.B32;1
                                                                                                                                                                                                                                                                      Page 33 (4)
                                                                                    LOCAL TEMP DESC: $BBLOCK[DSC$C_S_BLN];
TEMP_DESC[DSC$W_LENGTH] = 6;
TEMP_DESC[DSC$A_POINTER] = STR_PTR + 7;
IF NOT (STATUS = $FAO ($DESCRIPTOR('!2(30W)'),
      956
957
958
961
963
964
965
967
971
973
975
976
                                 0954
0955
0957
0958
0959
0960
0961
0963
0964
0965
0968
0969
0970
0971
0973
                                                                                 TEMP_DESC,
TEMP_DESC,
TEMP_DESC,
DIR_GROUP,
DIR_MEMBER))
THEN FILE_ERROR (SET$_SYNTAX, OBJECT_FAB, .STATUS, 0)
ELSE PTR = .STR_PTR + 14;
END;
                                                                           END:
                                                                   END;
                                                          PTR = CHSMOVE (4, UPLIT ('.DIR'), PTR);
OBJECT_FAB[FABSB_FNS] = .PTR - .DESC[DSC$A_POINTER];
OBJECT_FAB[FAB$L_FNA] = .DESC[DSC$A_POINTER];
                                                  RETURN 1:
                                                  END:
                                                                                                                                                        ! End of routine GET_FILE
                                                                                                                                                            .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                                                                              002F0 P.ACN:
002F5
002F8 P.ACM:
002FC
00300 P.ACO:
00304 P.ACP:
00308 P.ACQ:
00310 P.ACS:
00317
00318 P.ACR:
0031C
00320 P.ACT:
                                                                                            55
                                                                                                                                                            .ASCII
                                                                                                                                                                             \INPUT\
                                                                                                         00000005
                                                                                                                                                            .LONG
                                                                                                                                                            .ADDRESS P.ACN
                                                                                                                                                                            \...\<0>
\...\<0>
\000000\<0><0>
                                                                                                                                                            .ASCII
                                                                                                                                                            .ASCII
                                                                                                                                                             .ASCII
                                                                                                                                                                             \!2(30W)\
                                                                                                                                                             .ASCII
                                                                                                                                                             .BLKB
                                                                                                         00000007
000000000
44 2E
                                                                                                                                                            . LONG
                                                                                                                                                            .ADDRESS P.ACS
.ASCII \.DIR\
                                                                                                                                                            .PSECT SOWNS, NOEXE, 2
                                                                                                                              014A8 FILE_DESC:
                                                                                                                                                            BYTE.
                                                                                                                              014AA
                                                                                                                              014AB
                                                                                                                               014AC
                                                                                                                              014AD
014AE
014AF
                                                                                                                                                            EXTRN SYSSPARSE, SYSSFAO
                                                                                                                                           SRMS_PTR=
                                                                                                                                                            .PSECT $CODE$, NOWRT, 2
                                                                                                                    OFFC 00000 GET_FILE:
```

V

AEDSSETACL VO4-000							1	N 15 6-Sep- 4-Sep-	1984 00:02: 1984 11:52:	30 34	VAX-11 Bliss-32 V4.0-742 CACLEDT.SRCJSETACL.B32;1	Page 34
			06 28	0000	SE CF CF	FEC4 CE 06 03 02 02 0000 CF 02 50	9E 00002 E1 00007 E0 00000 90 00013 9F 00016 FB 00020	18:	WORD MOVAB BBC BBS MOVB	Save -3160 #6. F #3. F	R2,R3,R4,R5,R6,R7,R8,R9,R10,R11 SP), SP LAGS+1, 1\$ LAGS+1, 3\$ ILE_DESC+3 DESC LI\$GET_VALUE	0668 0723 0729 0730
				C0000000G	00	0000° CF 0000° CF 02 50	E8 UUU2/		BBS MOVB PUSHAB PUSHAB CALLS BLBS BRW	FILE P.ACF #2. (RO. 2 30\$	LISGET_VALUE	0730
			03	0000	CF CF	0000 CF 0000 CF 06 0279	31 0002A 00 0002D 90 00034 E0 0003B	28: 38:	MOVL MOVB BBS BRW	FILE FILE #6 F	DESC+4, OBJECT_FAB+44 DESC, OBJECT_FAB+52 LAGS+1, 48	0734 073 074
			48	0000°	50 CF 56	0000° CF	90 00034 E0 00038 31 00041 D0 00049 3C 00049 E0 00053 90 00059	48:	MOVL	FILE	DESC+4, RO BUECT_FAB+44 DESC, R6	0754 075
		34	65 AE	0000	CF CF DF SA 57	34 AE	3C 0004E E0 00053 90 00059 28 0005E 9E 00065		MOVŽWL BBS MOVB MOVC3 MOVAB MOVL MATCHC	R6, C R6, TEMP	DESC, R6 LAGS+1, 8\$ DESC+1, 8\$ DESC+1, 8\$ DESC+2, TEMP_STRING STRING, STR_PTR TR_LEN LEN LATO, STR_LEN, (STR_PTR)	075 075 075 075 076 076
6	5A		57	0000°	CF 53	03 03 03	00 00069 39 00060 13 00073 00 00075	58:	MATCHC BEQL MOVL DECL MOVAW	0.0	ACO, STR_LEN, (STR_PTR)	076
			53		5B 5A 5A 57	0000° CF 0000° CF 03 56 56 34 AE 56 03 03 03 05 07 07 08 FD A347	28 0005E 9E 00065 D0 00069 39 00060 13 00075 D7 00078 3E 00078 13 00070 9E 00087 11 00080	68:	MOVAB SUBL3 MOVAB	-(R5) 78 3(R11 TEMP -3(R3	, TEMP), STR_PTR \$TR_PTR, R3 S) ESTR_LEN], STR_LEN	0777 0777
					50 50 50	0000° CF 33 AE40	9A 0008E	78:	MOVZBL	OBJEC	T FAB+52, RO	076 077
				0000	CF 51 61	FD AA 6A 34 AE 51	96 000A6 9E 000A6 9E 000A9 9E 000AF C2 000B3		CMPL BNEQ BISB2 MOVAB MOVAB MOVAB SUBL2 SUBB3 BRB	#8, F -3(ST (STR	ELAGS+1 (R PTR), R1 (PTR), (R1) (STRING, OBJECT_FAB+44 (STRING, R0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	078 078
		0000°	CF	0000°	50 50 01	34 AE 51 50	9E 000AF C2 000B3 83 000B6		MOVAB SUBL 2 SUBB3	TEMP R1. R RO. A	STRING, RO RO RO RO RO RO RO RO RO RO RO RO RO R	0784 0785
0060	BF		00	0000	CF CF 6E	0A 56 08 0000° CF 6002° BF 0000° CF	9E 00098 9E 00099 9E 000A9 9E 000A9 9E 000A9 9E 000A9 9E 000B9 83 000B6 11 000B6 90 000B8	8\$: 9\$:	BICB2 MOVC5	#8. F	LAGS+T (SP), #C, #96, \$RMS_PTR	0751 0799 0790 0801
				0000°	CF 50	0000° CF 6002 8F 0000° CF	9A 00009		MOVW MOVZBL BEQL	#2457 0BJE0	78, SRMS PTR T_NAM+57, RO	0802
				0000	CF CF	0000° CF	9A 0000E 9A 000DE 9A 000DE 90 000E 90 000E 9F 000E FB 000F DO 000F E8 000F	108:	MOVE MOVB PUSHAB	OBJECO OBJEC	78, SRMS PTR T_NAM+57, RO T_NAM+68, OBJECT_FAB+48 OBJECT_FAB+53 T_FAB SYSSPARSE STATUS US, 118	080 080 080
				0000000G	00 6E 20	01 50 6E	FB 000F0 D0 000F7 E8 000FA		CALLS MOVL BLBS	RO. S STATU	SYSSPARSE STATUS US, 118	

AEDSSETACL V04-000					8 16 16-Sep-1984 00:02:30 YAX-1 14-Sep-1984 11:52:34 CACLE	Bliss-32 V4.C-742 Page 35 T.SRCJSETACL.B32;1 (4)
		F B F C	AD 0000	7E	98 000FD MOVZBW OBJECT_FAB4 D0 00103 MOVL OBJECT_FAB4 D4 00109 CLRL -(SP) DD 0010B PUSHL STATUS 9F 0010E PUSHAB OBJECT_FAB DD 00112 PUSHAB OBJECT_FAB PUSHL #7803132 FB 0011B CALLS #4, FILE ER 95 0011D 11\$: TSTB OBJECT_NAM4 12 00121 BNEQ 12\$	2. DESC 4. DESC+4 : 0812 : 0813
		0000v	0000 007710FC	CF 8F 04	DO 00103 D4 00109 CLRL -(SP) DD 0010B PUSHL STATUS PF 0010E PUSHAB OBJECT FAB DD 00112 PUSHL #7803132 FB 0011B CALLS #4, FILE ER 95 0011D 11\$: TSTB OBJECT_NAM+ 12 00121 BNEQ 128	OR .
			0000	0E	95 00110 118: TSTB OBJECT_NAM+ 12 00121 BNEQ 128 91 00123 CMPB OBJECT_NAM+	9 : 0818 0, #1 : 0819
			01 0000	07	12 00128 BNEQ 128 91 0012A CMPB OBJECT_NAM+	
		F8 FC	AD 0000	22 CF CF	DO 00137 MOVL OBJECT_FAB	2. DESC b. DESC+4 0823
			7E 0828	8F CF	3C 0013F MOVZWL #2088, -(SP 9F 00144 PUSHAB OBJECT FAB	;
		0000V	007710FC CF 50 00005	CF 8F 04 CF	98 00131 12\$: MOVZBW OBJECT_FAB+ D0 00137 D4 0013D CLRL -(SP) 3C 0013F MOVZWL #2088, -(SP) 9F 00144 PUSHAB OBJECT_FAB+ DD 00148 PUSHL #7803132 FB 0014E CALLS #4, FILE ER 9A 00153 13\$: MOVZBL OBJECT_NAM+ CO 00158 ADDL2 OBJECT_NAM+ 90 0015D MOVB -1(R0), END 9B 00162 MOVZBW OBJECT_NAM+ A2 00168 SUBW2 #2, DESC D0 0017C MOVL OBJECT_NAM+ D0 00172 MOVL OBJECT_NAM+ D0 00176 MOVL OBJECT_NAM+ D0 00176 MOVL OBJECT_NAM+ D0 00176 MOVL R9, STR_PTR MOVZWL DESC, R0 MOVL R9, STR_PTR MOVZWL DESC, R0 MOVL R0, STR_LEN CLRL PTR 9E 00182 MOVAB -1(R0)[R9].	OR B. RO C. RO
		F8	AE FF	AO	90 0015D MOVB -1(RO), END 9B 00162 MOVZBW OBJECT NAM+	HÅR 1, DESC 0835
		FC	AD 0000'59 FC	CF AD 59	DO 0016C MOVL OBJECT NAM+ DO 00172 MOVL DESC+4, R9	2. DESC+4 : 0836 0837
			5A 50 57	59 AD 50 58	DO 00176 MOVL R9, STR PTR 3C 00179 MOVZWL DESC, RO DO 0017D MOVL RO, STR LEN	0838
6A	57		56 FF	A049	DO 0017D MOVL RO, STR_LEN CLRL PTR PTR MOVAB -1(RO)[R9], MATCHC #3, P.ACP,	0839 FOS 0840 FR_LEN, (STR_PTR) 0845
			53 5B	03 03 03 53 73 12 58 8347 AB 08 58	DO 00190 D7 00193 15\$: DECL R3 JE 00195 MOVAW -(R3), TEMP	
	53		58 5A	12 58 58	13 00198 BEQL 16\$ D0 0019A MOVE TEMP, PTR C3 0019D SUBL 3 TEMP, STR P	0852 0853
			58 5A 57 FD 5A 03	A347 AB DB	DO 0019A MOVE TEMP, PTR C3 0019D SUBL3 TEMP, STR P 9E 001A1 MOVAB -3(R3) ESTR 9E 001A6 MOVAB 3(R11), STR 11 001AA BRB 14\$	N], STR_LEN 0854 0844 0859
	6A		58 57	03 03 03 02 02 51	13 001AC 168: 151L PIR 13 001AE BEQL 17\$ CO 001BO ADDL2 #3, PTR	(STR_PTR) 0863
				02 51	12 001B7 BNEQ 18\$ D4 001B9 CLRL R1 D0 001BB 18\$: MOVL R1, TEMP	, (311, 111)
	53		58 5A	51 12 58 58 A347 AB E1 58	39 00187 14\$: MATCHC #3, P.ACP, 13 0018E D0 00190 D7 00193 15\$: DECL #3 3E 00195 HOVAW -(R3), TEMP BEQL 16\$ D0 0019A C3 0019D SUBL3 TEMP, STR P MOVAB 3(R11), STR PE 001A6 HOVAB 3(R11), STR PE 001AC 16\$: TSTL PTR 13 001AE C0 001BO ADDL2 #3, PTR 12 001B7 D4 001B9 CLRL R1 D0 001BB 18\$: MOVL R1, TEMP 13 001BE D0 001C0 C3 001C7 PE 001C7 MOVAB 1(R1), STR PR 14 001B9 D0 001BB 18\$: MOVL R1, TEMP 15 001BB HBS: MOVL R1, TEMP 16 D0 001C0 C3 001C7 MOVAB 1(R11), STR PE 001C7 PE TSTL PTR	OS (R_LEN, (STR_PTR) 0840 0845 0845 0845 0853 0853 0854 0844 0859 0859 0863 0870 0871 0875 0863 0875
			58 5A 57 FF 5A 01	A347	00 00100 MOVL TEMP, PTR C3 00103 SUBL3 TEMP, STR P 9E 00107 MOVAB -1(R3)ESTR 9E 00100 MOVAB 1(R11), STR	N], STR_LEN 0872 0863 0875

AEDSSETACL VO4-000								C 16 16-Sep-1 14-Sep-1	1984 00:02 1984 11:52	:30 :34	VAX-11 Bliss-32 V4.0-742 LACLEDT.SRCJSETACL.B32;1	Page 36
				56		32 58	13 001D 01 001D		BEQL	228 PTR. 208 PTR #42, 248	EOS	: 0883
				88		58	12 001D D6 001D 90 001D	B	INCL	PTR	(PTR)+	0886
				5A		58 58	11 001E D1 001E	2 20\$:	BRB CMPL	24\$ PTR.	STR_PTR	0883 0898
	01	57 A8		56 68 68 58	04 01 A	14 58 57 AE 748	12 001E C3 001E 28 001E 90 001F 9E 001F	5 7 8 0 4	BNEQ SUBL3 MOVC3 MOVB MOVAB	PTR, STR I ENDCI	EOS, STR_LEN LEN, (PTRT, 1(PTR) HAR, (PTR) R LEN)[PTRT, PTR	
		57		56 88 58	04	42 5A AE 57	9E 001F 11 001F C3 001F 90 001F C0 0020	9 B 21\$: F	SUBL3 MOVB ADDL2	248 STR I ENDCI STR I 248	PTR, EOS, STR_LEN HAR, (PTR)+ LEN, PTR	0901 0902 0903 0904 0898 0908 0909 0910 0875
		6A		57		95 5¢	3A 0020 12 0020	8 228:	LOCC	238	STR_LEN, (STR_PTR)	0921
		50 AA		6E 50 5A 56 6A 5B CF 5A	0000°	1049 5A	D4 0020 D0 0021 9A 0021 9E 0021 C3 0021	238: 3	BEQL CMPL BNEQ INCL MOVB BRB CMPL BNEQ SUBL3 MOVAB SUBL3 MOVAB SUBL3 MOVB ADDL2 BNEQ CLRL MOVZBL MOV		STATUS CT NAM+57, RO CT NAM+57, RO CR9], STR PTR PTR, EOS, RO (STR PTR), 7(STR PTR) TEMP P.ACQ, (STR PTR) STR PTR HAR, (STR PTR) US	0925 0926
	07	6A	00001	5B		50 53	58 0055 00055	6	MOVC3	RO, R3,	(STR_PTR), 7(STR_PTR) TEMP RACO (STR_BTR)	0027
		OA	0000°	5A 6A	04	06 53 AE 65	DO 0022 90 0023 D5 0023	7 2 6	MOVL MOVB TSTL	R3, ENDCI	STR_PTR HAR, (STR_PTR) US	0927 0928 0933
				58		5B 6E	12 0023 00 0023 11 0023 2C 0023 0024 00 0024	A D 248: F 258:	MOVL BRB	28\$, , , ,	
24		00	10	6E	10	AE	2C 0023 0024	F 258:	MOVC5	#0,	(SP), NO, N36, TPARSE_BLOCK	0942
	18	AE	10	AE 56 53 AE	07	5A	00 0024 C3 0024 9E 0024	A	MOVL SUBL 3 MOVAB	STR I	PTR, EOS, TPARSE_BLOCK+8	0943 0945 0946
			10	AE	0000	53	DO 0025 9F 0025 9F 0025 9F 0025	3	MOVL PUSHAB PUSHAB	R3, DIR DIR	TPÅRSE_BLOCK+12 KEYS STATE	0947
		0	00000006	00 6E	10	03 50	FB 0026	2	CALLS	#3. RO.	IBSTPARSE STATUS	
			08 00	00 6E 24 AE AE 7E	0000° 10 14 0000°	6E 06 53 CF AE	E9 0026 B0 0026 D0 0027 7D 0027 9F 0027	C 3 7	MOVL PUSHAB PUSHAB PUSHAB CALLS MOVL BLBC MOVW MOVQ PUSHAB PUSHAB PUSHAB CALLS MOVL BLBS CLRL PUSHAB	R3, DIR TEMP	TPARSE BLOCK PTR, EOS, TPARSE BLOCK+8 O), R3 TPARSE BLOCK+12 CEYS STATE SE BLOCK LIBSTPARSE STATUS US, 268 IEMP DESC IEMP D	0954 0955 0960
		0	000000006	00 6E 16	0000.	AE CF 05 50	9F 0028 FB 0028 D0 0028 E8 0029 D4 0029	2600	PUSHAB CALLS MOVL BLBS	P.ACI NS. RO. STATI	SYSSFAO STATUS US, 278	
					0000	AE CF	D4 0029 DD 0029 9F 0029	3 268: 5	CLRL PUSHL PUSHAB	STATI	US CT_FAB	0961

AEDSSETACL V04-000				D 16 16-Sep-1984 00:02:30 VAX-11 BLisy-32 V4.0-742 14-Sep-1984 11:52:34 [ACLEDT.SRC]SETACL.B32:1	Page 37 (4)
	0000° CF		007710FC 58 0000° 58 0000°	8F DD 0029C	0962 0966 0967 0968 0971
; Routine Size	: 708 bytes.	Routine	Base: \$CODE	8 + 07E7	

FOP = <NAM, UFO>,

NAM = NAM,

\$XABDAT_INIT (XAB = XABDAT,

SHR = NIL, XAB = XABDAT)

2222

1028

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```
NXT = XABPRO);
                                     $XABPRO_INIT (XAB = XABPRO);
                                     STATUS = SOPEN (FAB = FAB);
                                     ! Set up the actual file name.
                                     CHSFILL (0, DSCSC_S_BLN, FILE_NAME); IF .NAMENAMSB_RSLJ REQ 0
                        1040
1041
1042
1043
1044
1045
1046
1047
1051
1051
1053
1053
                                     THEN
                                           BEGIN

FILE NAME[DSC$W_LENGTH] = .NAM[NAM$B_RSL];

FILE NAME[DSC$A_POINTER] = .NAM[NAM$E_RSA];
                                     ELSE IF .NAM[NAMSB_ESL] NEQ 0
                                           BEGIN
FILE NAME[DSC$W_LENGTH] = .NAM[NAM$B_ESL];
FILE NAME[DSC$A_POINTER] = .NAM[NAM$[_ESA];
                                     ELSE
                                            FILE_NAME[DSC$W_LENGTH] = .FAB[FAB$B_FNS];
FILE_NAME[DSC$A_POINTER] = .FAB[FAB$C_FNA];
                        1056
1057
1058
1059
1060
1061
1063
1064
1066
1066
1066
1068
1069
                                     ! If there are any errors on the open, note them.
                                     IF NOT .STATUS
                                     THEN
                                            BEGIN
                                        If the error is a "file locked by another user" error and the file-id of the source and tarket files match, simply ignore the error and go process the next
                                       in line. Otherwise, note the error.
                                           IF .FAB[FAB$L_STS] NEQ RMS$ FLK
OR CH$NEQ (6, SOBJECT_NAM[NAM$W FID], 6, OBJECT_NAM[NAM$W FID], 0)
THEN FILE_ERROR (SET$_OPENIN, FAB, .FAB[FAB$L_STS], .FAB[FAB$L_STV]);
RETURN 1;
                        1071
1072
1073
1074
1075
1076
1077
                                            END:
                                     CHAN = .FAB[FAB$L_STV];
                                        See if the file matches the criteria specified by the common command qualifiers.
                        1078
1079
1080
1081
1082
1083
                                     IF NOT LIBSQUAL_FILE_MATCH (COMMON_CTX,
                                                                                   SOESCRIPTOR ('XSET-I-MODIFY, modify ACL on !AS [N]:'), XREF (FILE NAME), 0) THEN RETURN 1:
                         1085
                                     ! Determine whether or not the target file is a directory file.
                        1086
                                     ATR_ARGLIST[O, ITMSW_ITMCOD] = ATRSC_UCHAR;
```

1108 1109 1110

1140

```
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 ATR_ARGLIST[0,
ATR_ARGLIST[0,
STATUS = $QIOW
                             TMSW_BUFSIZ] = ATRSS UCHAR;
TMSL_BUFADR] = FILE_CHAR;
STATUS = $0100 (CHAN = CHAN, FUNC = 10$ ACCESS, 10SB = 10 STATUS, PS = ATR_ARGLIST);

IF .STATUS THEN STATUS = .10_STATUS[0];
THEN
 THEN
         BEGIN.
        SIGNAL (SETS_OPENIN, 1, FILE_NAME, .STATUS, 0);
RETURN 1; ! Return wi
                                                                       ! Return without doing anything
 FLAGS[DIRECTORY] = .FILE_CHAR[FCH$V_DIRECTORY];
 ! If the /DEFAULT qualifier is being processed, make sure that the parent! directory of the current file is accessed on the source object channel.
 IF .FLAGSEQUAL_DEFAULT]
 THEN
        BEGIN
        IF .SCHAN EQL O
               BEGIN
```

! If a channel has not been assigned to the source object, assign a channel to the device for the parent directory. CHSFILL (O, DSCSC S BLN, SDEVICE DESC);
SDEVICE DESCIDSCSD [ENGTH] = .VECTOR [NAM[NAMST DVI], 0;, BYTE];
SDEVICE DESCIDSCSA POINTER] = NAM[NAMST DVI] + T;
STATUS = SASSIGN (DEVNAM = SDEVICE DESC; CHAN = SCHAN); IF NOT .STATUS THEN BEGIN SIGNAL (SETS_OPENIN, 1, SDEVICE_DESC, .STATUS, 0); RETURN 1: END: END:

If there is already a directory accessed on the source object channel, and ! the file-IDs are not the same, deaccess the directory file. IF .SFILE_FIB(FIBSW_FID_NUM) NEQ 0
AND CH\$NEQ (FIB\$S_FID, SFILE_FIB(FIBSW_FID), FIB\$S_FID, NAM(NAM\$W_DID), 0) THEN

Now release the read lock that was taken out for the directory file.

ATR_ARGLIST[O, ITM\$w_ITMCOD] = ACL\$C_UNLOCK_ACL;

Attempt to obtain a write lock for the target object.

ATR_ARGLIST[O, ITM\$W_ITMCOD] = ACL\$C_WLOCK_ACL;

END:

1200

```
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                                             ATR_ARGLIST[0, ITMSW_BUFSIZ] = ACLSS_WLOCK_ACL;
ATR_ARGLIST[0, ITMSL_BUFADR] = ACL_LOCKID;
STATUS = SCHANGE_ACL_(CHAN = .CHAN,
1207890112345678901234567890123456789012344244467890123456789012
12089112314567890123456789012345678901234424467890123456789012
                                                                                           OBJTYP = OBJECT TYPE,
OBJNAM = FILE NAME,
ITMLST = ATR_ARGLIST);
                                              IF NOT .STATUS
                                                      BEGIN
                                                      IF .STATUS EQL SS$ NOTQUEUED THEN SIGNAL (SET$ DBJLOCKED) ELSE SIGNAL (.STATUS);
                                                      RETURN 1:
                                                      END:
                                              ! Call the necessary routine based upon the command line qualifiers.
                                             IF .FLAGS[QUAL_LIKE] OR .FLAGS[QUAL_DEFAULT] THEN STATUS = COPY_ACL (FILE_NAME) ELSE IF .FLAGS[QUAL_DELETE] THEN STATUS = DELETE_ACL (FILE_NAME) ELSE IF .FLAGS[QUAL_REPLACE] THEN STATUS = REPLACE_ACL (FILE_NAME) ELSE STATUS = ADD_ACL (FILE_NAME);
                                              ! Now release the write lock that was taken out.
                                             ATR_ARGLIST[0, ITMSW_ITMCOD] = ACLSC_UNLOCK_ACL;
ATR_ARGLIST[0, ITMSW_BUFSIZ] = 4;
ATR_ARGLIST[0, ITMSL_BUFADR] = ACL_LOCKID;
STATUS = SCHANGE_ACL_(CHAN = .CHAN,
OBJTYP = OBJECT_TYPE,
                                                                                           OBJNAM = FILE NAME,
ITMLST = ATR_ARGLIST);
                                              ! If logging is being done, indicate that the object has been modified.
                                             IF .FLAGS[QUAL_LOG] AND .STATUS
THEN SIGNAL (SET$_MODIFIED, 1, FILE_NAME);
                                              ! Tie off the opened input file, if necessary.
                                             IF .STATUS
                                                     STATUS = $QIOW (CHAN = .CHAN,

FUNC = 10$ DEACCESS,

10SB = 10_STATUS);

IF .STATUS THEN STATUS = .10_STATUS[0];

IF NOT .STATUS
                                                      THEN
                                                              BEGIN
FILE ERROR (SET$_CLOSEIN, FAB, .STATUS, 0);
RETURN 1;
                                                      END;
STATUS = $DASSGN (CHAN = .CHAN);
IF NOT .STATUS
THEN
                                                              BEGIN
FILE_ERROR (SET$_CLOSEIN, FAB, .STATUS, 0);
```

	263 264 265 266 267 268 269	ACL		125 126 126 126 126	9012		ENI	END;	URN '	1;					1	1 16 5-Sep-19 6-Sep-19	84 00:02: 84 11:52:	30 VAX-11 Bliss-32 V4.0-742 34 CACLEDT.SRCJSETACL.832;1	Page 43 (5)
	268 269			126 126 126	3 2	RET	URN ;	1;								!	End of r	routine PROCESS_FILE	
																	.PSECT	\$PLIT\$, NOWRT, NOEXE, 2	
20	50 50	59 6E	46 6F	49	44	4F 43	4D 41	20 3A	49 79 50	2D 66 4E	54 69 58	45 64 20	53 6F 53	25 60 41	00324	P.ACV:	.ASCII	\XSET-I-MODIFY, modify ACL on !AS [N]:\	•
			•					3Ă	50	4E	58		53 0000 0000		00342 00349 00340 00350	P.ACU:	.BLKB .LONG .ADDRESS	3 37 5 P.ACV	
																	.EXTRN	SYS\$ASSIGN	
																	.PSECT	\$CODE\$, NOWRT, 2	
			24			00				5B 5A 59 58 57 5E 6E		0000 EB0	00	9E 9		PROCESS	MOVAB MOVAB MOVAB	Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11 SET\$ OBJLOCKED, R11 SYS\$CHANGE ACL, R10 SYS\$QIOW, R9 LIB\$SIGNAL, R8 WORST_ERROR, R7 -336(SP), SP #0, (SP), #0, #36, ATR_ARGLIST	1022
	005	D	8F	0	098	CE		30	0	B7 6E		060	8F	5g 58	00030		MOVC3 MOVC5	#96, @OBJECT_FAB+40, NAM #0, (SP), #0, #80, \$RMS_PTR	1023
			20			00		AI BI C		AD AD AD AD AD AD		6098	00 AD 8F 8F 02 AE CE 00	B0 D0 B0 90 9E	00040 00042 00048 00050 00056 0005A			#20483, \$RMS PTR #16908288, \$RMS PTR+4 #8195, \$RMS PTR+22 #2, \$RMS PTR+31 XABDAT, \$RMS PTR+36 NAM, \$RMS PTR+40 #0, (SP), #0, #44, \$RMS_PTR	1031
	005	B	8F			00		61	C	AE AE 6E		14	8F AE 00 AE 8F	96 9E	0006C 00072 00077		MOVW MOVAB MOVCS	#11282, \$RMS_PTR XABPRO, \$RMS_PTR+4 #0, (SP), #0, #88, \$RMS_PTR	1032
			08			00		14 000000	06	AE 00 56 6E		14 813 A8	50 00	9F FB DO 2C	00089		MOVW PUSHAB CALLS MOVL MOVC5	#22547, \$RMS_PTR FAB #1. SYS\$OPEN R0. STATUS #0. (SP), #0, #8, FILE_NAME	1034 1038
								F		50 AD	0	F 8 109B	AD CE OC 50	9A	00093 00098 0009A 0009F 000A1		MOVZBL BEQL MOVW	NAM+3, RO 1\$ RO, FILE_NAME	1039 1042

AEDSSETACL								K 16 16-Sep-1 14-Sep-1	1984 00:02 1984 11:52	:30	VAX-11 Bliss-32 V4.0-742 [ACLEDT.SRC]SETACL.B32;1	Page 44 (5)
			FC	AD	009C	CE 1D	DO 000	DAS DAB	MOVL BRB		4. FILE_NAME+4	: 1043
				50	00A3	CE	9A 00	AD 18:	MOVZBL	NAM4	11, RO	1043 1039 1045
			F B F C	AD	00A4	50 CE OA	BO 000	084 088 086	BEQL MOVW MOVL BRB	4.6	FILE_NAME 12, FILE_NAME+4	1048 1049 1045 1053 1054 1059
			FB	AD 27 8F	DC D4	AD 56 AD 00 06 03	9B 000 00 000 E8 000	084 088 086 0C0 28: 0C5 0CA 38: 0CD 0D5 0D7 0DF		FAB- FAB- STAT	52, FILE_NAME 44, FILE_NAME+4 TUS, 6\$ 8, #98954	1053 1054 1059
			0001828A		80	AD OD	D1 000)CD	CMPL	33		1067
	0088	C7	0380	C7			29 000	DD7 DDF	CMPC3 BNEQ	58	SOBJECT_NAM+36, OBJECT_NAM+36	1068
				7E	B0 A8 0077109A	0376 AD AD 8F	31 000 7D 000 9F 000 DD 000	DE1 4\$: DE4 5\$: DEB DEB DF1 DF4 6\$: DFC IO1 IO4 IO8 IOA	MOVL BLBS CMPL BNEQ CMPC3 BNEQ BRW MOVQ PUSHAB PUSHL BRW	FAB FAB	78, -(SP) 03034	1069
			0324	c7	B4	0361 AD 7E	31 000 00 000	OF1 OF4 68:	MOVL	FAB	12, CHAN	1073
			04	AE	F8	7E AD	9E 00	OF A OF C	MOVL CLRL MOVAB PUSHAB PUSHAB CLRL PUSHAB	-(SF	12, CHAN NAME, 4(SP)	1073 1078 1082
					F8 04 0000	AD AE CF 7E	9F 00	101	PUSHAB	P.AC	U	1081
			00000000G	00	0644	C7	9F 00 9F 00 FB 00	10A 10D 111	PUSHAB PUSHAB CALLS	FAR		1078
			0648 0640	C6 C7 C7	00030004	06 50 8F AE 7E	FB 001 E9 001 9E 001 9F 001 7C 001	118 11B 124	PUSHAB CALLS BLBC MOVL MOVAB CLRL PUSHAB CLRQ CLRQ PUSHAB PUSHL PUSHL CALLS MOVL BLBC MOVZWL BLBC MOVZ	RO #196 FILE	INTERPOLATION LIBSQUAL_FILE_MATCH LIBSQUAL_FIL	1088 1089 1093
					0648	C7	9F 00 7C 00 7C 00	20 30 32	PUSHAB CLRQ CLRQ	ATR -(SP -(SP	ARGLIST	
					. 20	7E 7E AE 32	7C 00'	34 36	CLRQ PUSHAB	-(SP	STATUS	
					0324	32 C7	DD 00	39 3B	PUSHL	CHAN		
				69		OC VE	FB 00	5F 41	CALLS	#12,	SYS\$QIOW	
				69 56 07 56	06	50 56 AE 56	£9 00	47	BLBC	STAT	US, 78	1094
				0A	00	\$6 56	E8 00	4E	BLBS	STAT	US. 8\$	1095 1098
					F8	56 AD 0139	DD 000 9F 000 31 00	51 78 : 53 55	PUSHL	STAT	USNAME	1090
FD 50	05	AE		01		0139	EF 00	5B 8\$:	EXTZV	RO.	#1, FILE CHAR+1, RO	1101
FD A7		01 03	FC	01 02 A7		0195	£0 00	161 167 16C	BBS	21\$	#1, FILE CHAR+1, RO #2, #1, FLAGS+1 FLAGS, 9\$	1106
					OSEC	67	D 2 (10)	INF US:	BBS BRW TSTL BNEQ MOVC5	SCHA 10\$	NN .	1113
08		00		6E	05F4	00 C7	12 00 20 00	75	MOVC5	#0 ,	(SP), #0, #8, SDEVICE_DESC	1116

AED\$SETACL V04-000								L 16 16-Sep- 14-Sep-	1984 00:02: 1984 11:52:	30 VAX-11 Bliss-32 V4.0-742 34 [ACLEDT.SRC]SETACL.B32;1	Page 45
			05F4 05F8	C7	FF5C FF5D	CD CD 7E	98 0017 9E 0018 7C 0018	0	MOVZBU I	NAM+20. SDEVICE_DESC NAM+21, SDEVICE_DESC+4 -(SP) SCHAN SDEVICE_DESC #4. SYS\$ASSIGN R0. STATUS STATUS, 10\$: 1117 : 1118 : 1119
					05EC 05F4	C7	9F 0018 9F 0019		PUSHAB PUSHAB	SCHAN SDEVICE_DESC	1119
			000000006	00 56 03		04 50 56	FB 0019 00 0019 EB 0019 31 001A	Č	MOVZBU MOVAB CLRQ PUSHAB CALLS MOVL BLBS BRW TSTW BEQL CMPC3 BNEQ	#4. SYS\$ASSIGN RO. STATUS STATUS. 10\$	1120
					0608	00E7 C7 08	45 UD1A	5 105:	BRU	17\$ \$FILE_FIB+4 11\$	1131
	FF72	CD	0608	c7		08 06 03	13 001A 29 001A 12 001B	3 115:	CMPC3	76, SFILE_FIB+4, NAM+42 125 158	1132
						0096 7E 7E	31 001B 7C 001B 7C 001B 7C 001B	5 8 128:	BRW	15\$ -(SP) -(SP) -(SP) -(SP)	1137
					20	7E AE 34	7C 001B	Ē	CLRO PUSHAB	-(SP) 10 STATUS	
					OSEC	34 67 75	DD 001C	5	DITCHI	CCHAM	
				69 56		0C 50 56	FB 001C	B E	CALLS	W12, SYS\$QIOW RO, STATUS	0
				69 56 07 56 21	00	56 AE 56 7E	FB 001C 00 001C E9 001D 3C 001D E8 001D D4 001D	4	BLBC MOVZWL BLBS	STATUS, 138 IO STATUS, STATUS STATUS, 148	1138
					A324	56	סוטט ספ	D	BLBS CLRL PUSHL PUSHAB PUSHL PUSHL CALLS CMPZV BGEQ	-(SP) #12, SYS\$QIOW R0, STATUS STATUS, 13\$ IO STATUS, STATUS STATUS, 14\$ -(SP) STATUS	. 1137
					0334	C7 01 8F	9F 001D DD 001E DD 001E FB 001E	3	PUSHL PUSHL PUSHL	#1 #7802962	•
02		67		68 03			FB 001E ED 001E 18 001F	E	CALLS	#5, LIB\$SIGNAL #0, #3, WORST_ERROR, #2 14\$	
				67	10771052 0608 00000004	05 07 8F C7 8F C7	DO 001F B4 001F	148:	MOVL CLRW	#276238418, WORST_ERROR SFILE_FIB+4	1140
			064 8 064C	C7	000C0004 032C	8F C7	B4 001F 00 0020 9E 0020	9	MOVL MOVAB	#276238418, WORST_ERROR SFILE_FIB+4 #786436, ATR_ARGLIST SACL_LOCKID, ATR_ARGLIST+4 -(SF)	1140 1145 1146 1150
					0648 0334	7E C7 C7	9F 0021	248	PUSHAB	ATD ADGITET	, 1130
					0648 0334 0330 05EC	C7 C7	9F 0021 9F 0021 DD 0022	Č	PUSHAB PUSHL	SOBJECT TYPE SCHAN	
				6A 56 21		50 56	DO 0023	7 A	MOVL BLBS	RO, STATUS STATUS, 15\$	1151
					0334	7E 56	D4 0022 DD 0022 9F 0023	D F	PUSHAB PUSHL CALLS MOVL BLBS CLRL PUSHL PUSHAB PUSHL PUSHL CALLS CMPZV	SOBJECT_DESC SOBJECT_TYPE SCHAN #7, SYS\$CHANGE_ACL RO, STATUS STATUS, 15\$ -(SP) STATUS SOBJECT_DESC	
					00771052	01 8F	DD 0023 DD 0023 FB 0023	7	PUSHA	#1	
02		67		68 03		05 00	FB 0023 ED 0024 18 0024 DO 0024	Q Q	CALLS CMPZV	#7802962 #5, LIB\$SIGNAL #0, #3, WORST_ERROR, #2 15\$	•
				67	10771052	8F	00 0024	7	BGEQ MOVL	#276238418, WORST_ERROR	•

AED\$SETACL V04-000				M 16 16-Sep-1984 00:02:30 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:52:34 [ACLEDT.SRC]SETACL.B32:1	Page 46 (5)
			0608	C7 B5 0024E 158: TSTW SFILE_FIB+4 03 13 00252 BEQL 168	: 1156
	0608	C7 FF72	CD 0604 00	0AD 31 00254 BRW 21\$ C7 D4 00257 16\$: CLRL SFILE_FIB 06 28 0025B MOVC3 #6, NAM+42, SFILE_FIB+4 7E 7C 00263 CLRQ -(SP)	1159 1160 1164
			05FC	7E 7C 00265	
			7E 2C 72 05EC	7E 7C 0026D	
			69 56 07 56 00 24	7E D4 0027A CLRL -(SP) 0C FB 0027C CALLS #12, SYS\$QIOW 50 D0 0027F MOVL RO, STATUS	
			56 OC	AE 3C 00285 MOVZWL 10 STATUS, STATUS 56 E8 00289 BLBS STATUS, 20\$	1165
				50 DO 0027F MOVL RO, STATUS 56 E9 00282 BLBC STATUS, 178 AE 3C 00285 MOVZWL IO STATUS, STATUS 56 E8 00289 BLBS STATUS, 20\$ 7E D4 0028C 178: CLRL -(SP) 56 DD 0028E PUSHL STATUS C7 9F 00290 PUSHAB SDEVICE_DESC	1166 1169
			05F4	C7 9F 00290 PUSHAB SDEVICE_DESC 01 DD 00294 188: PUSHL #1	
02		67	0077109A 68 03	01 DD 00294 188: PUSHL #1 8F DD 00296 PUSHL #7803034 05 FB 0029C CALLS #5, LIB\$SIGNAL 00 ED 0029F CMPZV #0, #3, WORST_ERROR, #2 07 18 00244 BGEQ 19\$	
			67 1077109A	00 ED 0029F CMPZV #0, #3, WORST_ERROR, #2 07 18 002A4 BGEQ 19\$ 8F DO 002A6 MOVL #276238490, WORST_ERROR 1AA 31 002AD 19\$: BRW 34\$ AE 9F 002BO 20\$: PUSHAB STATUS1	1170 1175
			08 0334 0334 0608 0564	7E D4 002B3 CLRL -(SP)	; 1175
		000000006 0648 0640	00 C7 000A0004 C7 032C	C7 9F 002C1 PUSHAB SDEVICE DESC 06 FB 002C5 CALLS #6, LIB\$FID TO NAME 8F D0 002CC MOVL #655364, ATR_ARGLIST C7 9E 002D5 MOVAB SACL_LOCKID, ATR_ARGLIST+4 7E 7C 002DC CLRQ -(SP)	1182 1183 1187
			0648 0334 0330 05EC	7E D4 002DE CLRL -(SP) C7 9F 002E0 PUSHAB ATR ARGLIST C7 9F 002E4 PUSHAB SOBJECT DESC C7 9F 002E8 PUSHAB SOBJECT TYPE	1187
		0000000	6A 56 0B 8F	C7 DD 002EC PUSHL SCHAN 07 FB 002F0 CALLS #7, SYS\$CHANGE_ACL 50 D0 002F3 MOVL R0, STATUS 56 E8 002F6 BLBS STATUS, 21\$	1188 1191
		000009B8	or	35 13 00300 BEQL 22\$ 55 11 00302 BRB 23\$	
		0648 0640	C7 000B0004 C7 04	35 13 00300 BEQL 22\$ 55 11 00302 BRB 23\$ 8F DO 00304 21\$: MOVL #720900, ATR_ARGLIST A7 9E 0030D MOVAB ACL_LOCKID, ATR_ARGLIST+4 CLRQ -(SP) 7E 7C 00313 CLRQ -(SP) 7E D4 00315 CLRL -(SP)	1193 1202 1203 1207
			0648 F8 08	8F DO 00304 218: MOVL #720900, ATR_ARGLIST A7 9E 0030D MOVAB ACL_LOCKID, ATR_ARGLIST+4 7E 7C 00313 CLRQ -(SP) 7E D4 00315 CLRL -(SP) C7 9F 00317 PUSHAB ATR_ARGLIST AD 9F 0031B PUSHAB FILE_NAME A7 9F 0031E PUSHAB OBJECT_TYPE	* * * * * * * * * * * * * * * * * * *

					8 1 16-Sep-1984 00:02:30 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:52:34 [ACLEDT.SRC]SETACL.B32;1	Page 47 (5)
	00	0009B8	6A 56 4A 8F	0324	C7 DD 00321 07 FB 00325 50 D0 00328 56 E8 00328 56 D1 0032E 22 12 00335 58 DD 00337 22\$: DNEQ 23\$ 58 DD 00337 CALLS #1 LIB\$SIGNAL CALLS #1 LIB\$SIGNAL MOVAB SET\$ OBJLOCKED, RO BLBS RO, 24\$ 00 ED 00342 MOVAB SET\$ OBJLOCKED&7>, RO CMPZV #0, #3, WORST_ERROR, RO 1C 11 00357 BRB 24\$	1208
50	67		68 50 33 50 03	00000000*	5B DD 00337 228: PUSHL R11 01 FB 00339	1212
70	0,		67	00000000*	00 ED 00349	1211 1213
50 50	56 67		68 14 03 03		00 EF 00361 EXTZV #0, #3, STATUS, R0 00 ED 00366 CMPZV #0, #3, WORST ERROR, R0	6 0 0 0 0
	67		56			1214
	05 0A	FC FC	A7 A7 CF		DE2 31 00375 24\$: BRW 34\$ 02 E0 00378 25\$: BBS #2, FLAGS, 26\$ 06 E1 0037D BBC #6, FLAGS, 27\$ AD 9F 00382 26\$: PUSHAB FILE NAME 01 FB 00385 CALLS #1, COPY_ACL 26 11 0038A BRB 30\$ 01 E1 0038C 27\$: BBC #1, FLAGS, 28\$	1214
	OA	F C 0000V	A7 CF	F 8	01 E1 0038C 27\$: BBC #1, FLAGS, 28\$ AD 9F 00391 PUSHAB FILE NAME 01 FB 00394 CALLS #1, DELETE_ACL	1220
	OA	F C 0000V	A7 CF	F8	17 11 00399 04 E1 0039B 28\$: BBC	1221
		0000v	CF	F8	08 11 003A8 BRB 30\$ AD 9F 003AA 29\$: PUSHAB FILE NAME 01 FB 003AD CALLS #1, ADD_ACL	1222
		0648 0640	56	00000004	01 FB 003AD	1227 1228 1232
			6A	F8 08 0324	AD 9F 003CC PUSHAB FILE NAME	
	30	FC	6A 56 A7 76	F8	C7 DD 003D2 PUSHL CHAN 07 FB 003D6 CALLS #7, SYS\$CHANGE_ACL 50 D0 003D9 MOVL RO, STATUS 03 E1 003DC BBC #3, FLAGS, 31\$ 56 E9 003E1 BLBC STATUS, 34\$ AD 9F 003E4 PUSHAB FILE_NAME 01 DD 003E7 PUSHL #1 00 9F 003E9 PUSHAB SET\$ MODIFIED 03 FB 003EF CALLS #3, EIB\$SIGNAL	1236 1237
			68 50 15	00000000G	01 DD 003E7 00 9F 003E9 03 FB 003EF 00 9E 003F2 00 PE 003F2 00 BLBS 00 RO, 31\$	6 6 6

50

				1	[1 6-Sep-1 4-Sep-1	984 00:02 984 11:52	:30 VAX-11 Bliss-32 V4.0-742 :34 EACLEDT.SRCJSETACL.B32;1	Page 48 (5)
67	50 000 03	*00000	00	9E 003FC ED 00403 18 00408		MOVAB	<set\$ modified&7="">, RO MO, M3, WORST_ERROR, RO 31\$</set\$>	:
	67 000 46	*00000	00 56 7E 7E 7F	9E 0040A E9 00411 7C 00414 7C 00416 7C 00418	31\$:	BGEQ MOVAB BLBC CLRQ CLRQ CLRQ	<pre><set\$ modified!268435456="">, WORST_ERROR STATUS, 34\$ -(SP) -(SP) -(SP)</set\$></pre>	1241 1246
		2C 0324	7E AE 34 C7	7C 0041A 9F 0041C DD 0041F DD 00421 04 00425		PUSHAB PUSHL PUSHL	-(SP) 10 STATUS #52 (HAN	
	69 56 18 56	0364	0C 50	FB 00427		CALLS MOVL	-(SP) #12. SYS\$QIOH	
	18 56	00	56 AE 56	E9 0042D 3C 00430		BLBC	RO, STATUS STATUS, 32\$ IO STATUS, STATUS STATUS, 32\$	1247
00000000	00	0324	01	E9 00434 DD 00437 FB 0043B		BLBC PUSHL CALLS	CHAN	1248
	6 2	A8	56 7E 56	DO 00442 E8 00445 D4 00448 DD 0044A 9F 0044C		MOVL BLBS (LRL PUSHL PUSHAB	#1, SYS\$DASSGN RO, STATUS STATUS, 34\$ -(SP) STATUS FAB	1255 1258
0000v	007 CF 50	771052	8F 04 01	DD 0044F FB 00455 DO 0045A 04 0045D	33\$: 34\$:	PUSHL CALLS MOVL RET	#7802962 #4, FILE_ERROR #1, RO	1263 1265

; Routine Size: 1118 bytes, Routine Base: \$CODE\$ + OAAB

```
ROUTINE ADD_ACL (OBJECT_NAME_DESC) =
                   FUNCTIONAL DESCRIPTION:
                                          This routine adds ACEs to the end of the ACL or inserts ACEs into
                                          various points within the ACL.
1280
                                  CALLING SEQUENCE:
1281
                                          ADD_ACL (ARG1)
1282
                                  INPUT PARAMETERS:
1284
                                          ARG1: address of the FAB
1285
1286
1287
                                  IMPLICIT INPUTS:
                                          none
1288
1289
                                  DUTPUT PARAMETERS:
1290
1291
1292
1293
1294
1295
                                          none
                                  IMPLICIT OUTPUTS:
                                          none
                                 ROUTINE VALUE:
1 if successful
1296
1297
                                          error code otherwise
1298
1299
                                  SIDE EFFECTS:
1300
                                          none
1301
1302
1303
1304
                               BEGIN
1305
1306
                              LOCAL
1307
                                          STATUS:
                                                                                                  ! Local routine return status
1308
1309
                               ! Preset the context to start adding ACEs at the beginning of the ACL.
1310
1311
                               ACL_CONTEXT = 0;
1312
                               ! If this is a new ACL, delete any ACL that currently exists on the object.
1314
1315
                              IF .FLAGS[QUAL_NEW]
1316
1317
                               THEN
                                     BEGIN
                                    ATR_ARGLIST[O, ITM$W_ITMCOD] = ACL$C_DELETEACL;
ATR_ARGLIST[O, ITM$W_BUFSIZ] = ACL$S_DELETEACL;
ATR_ARGLIST[O, ITM$L_BUFADR] = ACE;
STATUS = $CHANGE_ACL (CHAN = .CHAN,
OBJTYP = OBJECT_TYPE,
OBJNAM = .OBJECT_NAME_DESC,
ITMLST = ATR_ARGLIST,
CONTXT = ACL_CONTEXT);
1318
1319
1320
1321
1322
1323
1324
1325
1326
1327
                                     IF NOT .STATUS
```

```
132226789012345678901234567891
1332222333333333333444544678901234567891
133233333333333444544678901234567891
1328
1329
1330
1331
1333
1335
1335
1337
                                                               SIGNAL (SETS_WRITEERR, .OBJECT_NAME_DESC, .STATUS, 0);
                                                               RETURN SETS WRITEERR OR STSSM INHIB MSG:
                                                               END:
                                                      END:
                                              ! for an insert, first locate the ACE after which the new ACEs will be added.
                                              IF .FLAGSEQUAL_AFTER]
THEN
1338
1339
                                                       BEGIN
                                                      ACE POINTER = .OLD ACE HEAD[ACEQ L FLINK];
CH$MOVE (.$BBLOCK[ACE POINTER[ACEQ T ACE], ACE$B_SIZE],
ACE POINTER[ACEQ T ACE], ACE);
ATR_ARGLIST[O, ITM$W_ITMCOD] = ACL$C_FNDACLENT;
ATR_ARGLIST[O, ITM$W_BUFSIZ] = .ACE[ACE$B_SIZE];
ATR_ARGLIST[O, ITM$L_BUFADR] = ACE;
 1340
1341
1342
1343
 1344
                                                      STATUS = $CHANGE_ACL (CHAN = .CHAN
 1345
                                                                                                   OBJTYP = OBJECT_TYPE,
OBJNAM = .OBJECT_NAME_DESC,
ITMLST = ATR_ARGLIST,
CONTXT = ACL_CONTEXT);
 1346
1347
 1348
 1349
 1350
                                                       IF NOT .STATUS
 1351
                                                       THEN
 1352
1353
                                                               BEGIN
                                                               SIGNAL (SETS WRITEERR, 1, .OBJECT NAME DESC, .STATUS, 0);
RETURN SETS WRITEERR OR STSSM_INHIB_MSG;
 1354
 1355
                                                            .ACETACESB_SIZEJ EQL 0
1356
1357
                                                       THEN
1358
                                                               BEGIN
1359
                                                               IF .ACE[ACE$W_FLAGS] NEQ SS$_ACLEMPTY
 1360
1361
1362
1363
                                                               THEN
                                                                       BEGIN
                                                                       SIGNAL (SET$ WRITEERR, 1, .OBJECT_NAME_DESC, .ACE[ACE$W_FLAGS], 0);
RETURN SET$ WRITEERR OR STS$M_INHIB_MSG;
 1364
                                                                       END:
                              1360
1361
1362
1363
 1365
                                                               END:
 1366
1367
                                                       ACL_CONTEXT = .ACL_CONTEXT + 1;
 1368
1369
1370
1371
1372
1373
1374
                              1364
1365
                                               ! Now that the context has been set, add the new ACEs.
                                              ACE_POINTER = .NEW_ACE_HEAD[ACEQ_L_FLINK];
UNTIL .ACE_POINTER EQLA NEW_ACE_HEAD[ACEQ_L_FLINK]
                              1366
1367
1368
1369
1370
1371
1372
1373
                                              DO
                                                       BEGIN
                                                      CH$MOVE (.$BBLOCK[ACE POINTER[ACEQ T ACE], ACE$B_SIZE],
ACE POINTER[ACEQ T ACE], ACE);
ATR_ARGLIST[O, ITM$W_ITMCOD] = ACL$C_ADDACLENT;
ATR_ARGLIST[O, ITM$W_BUFSIZ] = .ACE[ACE$B_SIZE];
ATR_ARGLIST[O, ITM$L_BUFADR] = ACE;
STATUS = $CHANGE_ACL (CHAN = .CHAN,
 1376
1377
 1378
1379
1380
1381
1382
1383
                              1375
                                                                                                    OBJTYP = OBJECT TYPE,
OBJNAM = .OBJECT NAME_DESC,
ITMLST = ATR_ARGLIST,
                          P 1376
P 1377
 1384
                                                                                                    CONTXT = ACL_CONTEXT);
```

		48	F97C C8 CC	59 58 57 C7 A7 A7	000000000 FCA8 000600FF FCA8 C8 04 F988 FCA4	00	D4109FCFDFDFDB084	00002 00009 00010 00015 00019 00027 00028 00031 00037 00038 00045 00048	ADD_AC	MOVAB MOVAB MOVAB CLRL BBC MOVL MOVAB PUSHAB CLRQ PUSHAB PUSHL PUSHAB PUSHL CALLS MOVL BLBS CLRL	Save R2,R3,R4,R5,R6,R7,R8,R9 LIB\$SIGNAL, R9 SYS\$CHANGE_ACL, R8 ACE, R7 ACL_CONTEXT #5, FLAGS, 3\$ #393471, ATR_ARGLIST ACE, ATR_ARGLIST ACE, ATR_ARGLIST+4 ACL_CONTEXT -(SP) ATR_ARGLIST OBJECT_NAME_DESC OBJECT_TYPE CHAN #7, SYS\$CHANGE_ACL R0, STATUS STATUS, 3\$ -(SP)	1306 1310 1314 1315 1320
04	f 980	c7		69	00771004	AC 8F 04 00 03	DD DD FB ED 19	0004C 0004F 00055	1\$:	PUSHL PUSHL PUSHL CALLS CMPZV BLSS	STATUS OBJECT_NAME_DESC #7803092 #4, LIB\$SIGNAL #0, #3, WORST_ERROR, #4 2\$	
		67	0200 08 CA C8 CC	6A C77 50 51 A07 A7	F CA8 C8 04 F 988 F CA4	00DE 00D2 C77 C77 A0 51 67 67 77 AC C7	E19131900A80B9EFCFD9D	0006C 00073 00078 0007C 00081 00085 00089 00091 00093 00096 00099	2\$: 3\$:	BRW BRW BLBC MOVL MOVZBL MOVZBL MOVZBW MOVAB PUSHAB CLRQ PUSHAB PUSHAB PUSHL	TOS 9\$ FLAGS. 7\$ OLD_ACE HEAD. ACE_POINTER ACE_POINTER. RO 8(RU). R1 R1. 8(RO). ACE #4. ATR_ARGLIST+2 ACE. ATR_ARGLIST ACE. ATR_ARGLIST ACE. ATR_ARGLIST+4 ACL_CONTEXT -(SP) ATR_ARGLIST OBJECT_NAME_DESC OBJECT_TYPE CHAN	1331 1334 1335 1336 1337 1338 1339 1344

							984 00:02 984 11:52	:30 VAX-11 Bliss-32 V4.0-742 :34 [ACLEDT.SRC]SETACL.B32;1	Page 52 (6)
		68 56 14		07 50 56 7E	FB 000A1 D0 000A4 E8 000A7 D4 000AA		CALLS MOVL BLBS CLRL	#7, SYS\$CHANGE_ACL RO, STATUS STATUS, 5\$ -(SP)	1345 1348
		69	04 007710D4	AC 01 8F	DD 000AE DD 000B1 DD 000B3 FB 000B9	4\$:	CALLS	OBJECT_NAME_DESC #1 #7803092	# 0 0 0 0 0 0
				67	95 000BE	5\$:	TSTB	ACE	1351
	0900	8F	02	A7 08	B1 000C2		CMPW	ACE+2, #2512	1354
		7E	02	7E A7	04 000CA		CLRL	-(SP) ACE+2, -(SP)	1357
	0200	C7 50 51	FCA8 0E14 0200 0E14	C7 C7 C7 50	D6 000D0 D0 000D6 D0 000DD PE 000E2 D1 000E7	6\$: 7\$: 8\$:	INCL MOVL MOVL MOVAB CMPL	ACL_CONTEXT NEW_ACE_HEAD, ACE_POINTER ACE_POINTER, RO NEW_ACE_HEAD, R1 RO, R1	1361 1366 1367
67	08 CA C8	51 A0 A7 A7 A7	08 FCA8	A0 51 01 67 67	OF DOOR		MOVZBL MOVC3 MOVW MOVZBW MOVAB PUSHAR	R1, 8(R0), ACE #1, ATR_ARGLIST+2 ACE, ATR_ARGLIST	1370 1371 1372 1373 1374 1379
		68 56 20	C8 04 F988 FCA4	7E A7 AC C7 C7 50 56	7C 00105 9F 00107 DD 0010A 9F 0010D DD 00111 FB 00115 D0 00118 E8 0011B		CLRQ PUSHAB PUSHL PUSHAB PUSHL CALLS MOVL BLBS	-(SP) ATR_ARGLIST OBJECT_NAME_DESC OBJECT_TYPE CHAN #7, SYS\$CHANGE_ACL R0, STATUS STATUS, 11\$	1380 1383
F980 C7		69	04 007710D4	56 AC 01 8F 05	nn 00120		PUSHL PUSHL PUSHL CALLS CMPZV	STATUS OBJECT_NAME_DESC #1 #7803092 #5, LIB\$SIGNAL	1363
	f 980	C7 50	107710D4 107710D4	8F	DO 00159	95:	MOVL	#276238548, WORST_ERROR #276238548, RO	1384
	0200	67		07	04 00149	115:	RET MOVL	DACE_POINTER, ACE_POINTER	1386
		50		8A 01	11 00151 00 00153 04 00156	128:	BRB MOVL RET	#1. RO	1367 1389 1391
		67 08 CA C8 CC	69 0900 8F 7E 0200 C7 51 51 67 08 A0 CA A7 CB A7 CC A7 68 56 20 F980 C7 F980 C7 50 0200 C7	04 69 007710D4 69 007710D4 09D0 8F 02 7E 04 0014 7E 02 7E 04 007710D4 7E 02 7E 04 007710D4 7E 02 7E 04 007710D4 7E 04 007710D4 7E 04 007710D4 7E 05 7	04 AC 007710D4 8F 007710D4 8F 07E	68	68 56 50 D0 000A1 56 D0 000A2 77 E D4 000A3 56 D0 000A4 55 D0 000A4 55 D0 000A4 55 D0 000A5 67 E D4 000B3 69 69 67 95 000B3 67 P5 000B3 67	68	14 56 86 000 0

; Routine Size: 343 bytes, Routine Base: \$CODE\$ + OF09

```
1392
1393
1394
1395
1396
1397
1398
1399
1398
1399
1400
1401
1402
1403
1404
                                   ROUTINE DELETE_ACL (OBJECT_NAME_DESC) =
                                      FUNCTIONAL DESCRIPTION:
                                                This routine deletes one or more ACEs (or the entire ACL) from
                                                the specified object.
1406
1407
1408
1409
1410
                       1400
                       1401
                                      CALLING SEQUENCE:
ADD_ACL (ARG1)
                       1402
                       1404
                                      INPUT PARAMETERS:
                       1405
                                                ARG1: address of the FAB
1406
                       1407
                                      IMPLICIT INPUTS:
                       1408
                                                none
                       1409
                      1410
1411
1412
1413
1414
1415
1416
1417
1418
                                      OUTPUT PARAMETERS:
                                                none
                                      IMPLICIT OUTPUTS:
                                                none
                                      ROUTINE VALUE:
1 if successful
                                                error code otherwise
                      1420
1421
1422
1423
1424
1425
1426
1427
                                      SIDE EFFECTS:
                                               none
                                   BEGIN
                                   LOCAL
                      1428
1429
1430
                                                STATUS:
                                                                                                               ! Local routine return status
                                   ! If there were ACEs given on the /ACL qualifier, just those specified ACEs
                       1431
1432
1433
1434
1435
1436
1437
                                   ! are deleted. Otherwise, the entire ACL is deleted.
                                   IF .OLD_ACE_HEAD[ACEQ_L_FLINK] NEGA OLD_ACE_HEAD[ACEQ_L_FLINK] THEN
1440
1441
1442
1443
                                         BEGIN
                                   ! Before deleting any of the given ACEs, make sure that they all exist.
1444
                                         ACE_POINTER = .OLD_ACE_HEAD[ACEQ_L_FLINK];
UNTIL .ACE_POINTER EQLA OLD_ACE_HEAD[ACEQ_L_FLINK]
1445
1446
                       1440
1447
                       1441
                                         DO
                       1442
1448
                                                BEGIN
                                               CH$MOVE (.$BBLOCK[ACE_POINTER[ACEQ_T_ACE], ACE$B_SIZE],

ACE_POINTER[ACEQ_T_ACE], ACE];

ATR_ARGLIST[O, ITM$W_ITMCOD] = ACL$C_FNDACLENT;

ATR_ARGLIST[O, ITM$W_BUFSIZ] = .ACE[ACE$B_SIZE];

ATR_ARGLIST[O, ITM$L_BUFADR] = ACE;

STATUS = $CHANGE_ACL (CHAN = .CHAN,
1449
1450
1451
1452
1453
                       1444
                       1445
                       1446
 1454
                      1448
```

```
OBJTYP = OBJECT_TYPE
OBJNAM = .OBJECT_NAME_DESC,
ITMLST = ATR_ARGEIST,
CONTXT = ACL_CONTEXT);
1455
1456
1457
1458
1469
1461
1462
1463
                         1449
1450
1451
1453
1454
1455
1456
1457
1458
                                                       IF NOT .STATUS
                                                       THEN
                                                              BEGIN
                                                              IF .STATUS NEQ SS$ ACLEMPTY AND .STATUS NEQ SS$_NOENTRY
1464
                                                                     BEGIN
1466
                          1460
                                                                     SIGNAL (SETS WRITEERR, 1, OBJECT NAME DESC, STATUS, 0); RETURN SETS WRITEERR OR STSSM_INHIB_MSG;
                         1462
1468
                                                             ACE DESCIDS($W_LENGTH] = .$BBLOCK[ACE_POINTER[ACEQ_T_ACE], ACE$B_SIZE];
ACE_DESCIDS($A_POINTER] = ACE_POINTER[ACEQ_T_ACE];
ACE_TEXT_DESCIDS($W_LENGTH] = 3072;
ACE_TEXT_DESCIDS($A_POINTER] = ACE_TEXT;
$FORMAT_ACL (ACLENT = ACE_DESC,
ACLLEN = ACE_TEXT_DESCIDS($W_LENGTH],
ACLSTR = ACE_TEXT_DESC,
WIDTH = %REF (80),
TOWNSC = $DESCEDIPTOR (*CHAR_(13), *CHAR_(10))
1469
                          1464
1471
1472
1473
                          1465
                          1466
                         1467
1474
                      P 1468
                         1469
1475
1476
1477
                         1471
                                                                                      TRMDSC = $DESCRIPTOR (%CHAR (13), %CHAR (10)),
                         1472
1478
                                                                                      INDENT = %REF (4))
1479
                                                              SIGNAL (SET$_NOSUCHACE, 2, .OBJECT_NAME_DESC, ACE_TEXT_DESC);
1480
                          1474
                          1475
1481
                                                       ACE_POINTER = .ACE_POINTER[ACEQ_L_fLINK];
1482
                         1476
                                                       END:
1484
                         1478
                                        ! Delete the specified ACEs.
1485
                         1479
1486
1487
                         1480
                                               ACE_POINTER = .OLD_ACE_HEAD[ACEQ_L_FLINK];
UNTIL .ACE_POINTER EQLA OLD_ACE_HEAD[ACEQ_L_FLINK]
                          1481
1488
                         1482
1489
                                                       BEGIN
                                                      CH$MOVE (.$BBLOCK[ACE_POINTER[ACEQ_T_ACE], ACE$B_SIZE],
ACE_POINTER[ACEQ_T_ACE], ACE);
ATR_ARGLIST[O, ITM$W_ITMCOD] = ACL$C_DELACLENT;
ATR_ARGLIST[O, ITM$W_BUFSIZ] = .ACE[ACE$B_SIZE];
ATR_ARGLIST[O, ITM$L_BUFADR] = ACE;
STATUS = SCHANGE ACL
1490
                          1484
                         1485
1486
1487
1488
1489
1490
1491
1492
1494
1495
                                                       STATUS = $CHANGE_ACL (CHAN = .CHAN
1496
                                                                                               OBJTYP = OBJECT TYPE
                                                                                               OBJNAM = . OBJECT_NAME_DESC.
1498
                         1492
                                                                                               ITMLST = ATR_ARGEIST
                                                                                               CONTXT = ACL_CONTEXT);
                         1494
1500
                                                       IF NOT .STATUS
1501
                          1495
                                                       THEN
                          1496
1502
                                                              BEGIN
                                                              SIGNAL (SETS WRITEERR, 1, .OBJECT NAME DESC, .STATUS, 0); RETURN SETS WRITEERR OR STSSM_INHIB_MSG;
                          1498
1504
                          1499
1500
1505
                                                       ACE_POINTER = .ACE_POINTER[ACEQ_L_flink];
1506
1507
                          1501
                                                       END:
                         1502
1503
1504
1505
1508
                                                END
1509
                                        ELSE
1510
                                                BEGIN
1511
```

```
16-Sep-1984 00:02:30
14-Sep-1984 11:52:34
AEDSSETACL
VO4-000
                                                                                                                                                                        VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                        [ACLEDT.SRC]SETACL.832:1
                              1506
1507
1508
1509
1510
1511
1513
1516
1517
1516
1521
1522
1523
   1512
1513
1514
1515
1516
1517
1518
1523
1523
1523
1523
1523
1523
1531
1532
                                             ! Delete any ACL that currently exists on the object.
                                                     ATR_ARGLIST[O, ITMSW_ITMCOD] = ACLSC_DELETEACL;
ATR_ARGLIST[O, ITMSW_BUFSIZ] = ACLSS_DELETEACL;
ATR_ARGLIST[O, ITMSL_BUFADR] = ACE;
STATUS = SCHANGE_ACL_(CHAN = .CHAN,
                                                                                               OBJTYP = OBJECT_TYPE,
OBJNAM = .OBJECT_NAME_DESC,
ITMLST = ATR_ARGLIST,
CONTXT = ACL_CONTEXT);
                                                      IF NOT .STATUS
                                                      THEN
                                                             BEGIN
                                                             SIGNAL (SETS WRITEERR, 1, OBJECT NAME DESC, STATUS, 0);
RETURN SETS WRITEERR OR STSSM_INHIB_MSG;
                                                             END:
                                                      END:
                                              RETURN 1:
                               1526
                                             END:
                                                                                                                                          ! End of routine DELETE_ACL
                                                                                                                                              .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                                                                  00354 P.ACX:
00355
00356
00358 P.ACW:
0035C
                                                                                                                                             .ASCII
                                                                                                                                                            <13>
                                                                                                           OA
                                                                                                                                                            <10>
                                                                                                                                              .BLKB
                                                                                               20000002
                                                                                                                                             .LONG
                                                                                                00000000
                                                                                                                                              .ADDRESS P.ACX
                                                                                                                                              .EXTRN SYSSFORMAT_ACL
                                                                                                                                              .PSECT $CODE$,NOWRT,2
                                                                                                         OFFC 00000 DELETE_ACL:
                                                                                                                                                          Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11
SET$ NOSUCHACE, R11
LIB$SIGNAL, R10
SYS$CHANGE ACL, R9
ACE_POINTER, R8
#8, SP
OBJECT_NAME_DESC, R6
OLD_ACE_HEAD, R0
OLD_ACE_HEAD, R0
1$
                                                                                                                                                                                                                                                    1392
                                                                                                                                              . WORD
                                                                                00000000G
                                                                                                                                              MOVAB
                                                                          5BA9555550
                                                                                                             9E 9E 20 9E
                                                                                                                   00002
                                                                                                                   00009
                                                                                                                                             MOVAB
                                                                                00000000G
                                                                                                                   00010
                                                                                                                                             MOVAB
                                                                                        0000
                                                                                                                   00017
                                                                                                                                             MOVAB
                                                                                                                   0001C
                                                                                                                                             SUBL 2
                                                                                                                                                                                                                                                    1452
                                                                                                                  0001F
00023
                                                                                                     AC 08 03
                                                                                                                                             MOVL
                                                                                                                                              MOVAB
                                                                                        0000
                                                                                                             D1
12
                                                                                        0000
                                                                                                                   00028
                                                                                                                                              CMPL
                                                                                                                   0002D
                                                                                                                                             BNEQ
                                                                                                                  0002F
00032
00037
0003A
0003F
                                                                                                             31
                                                                                                                                              BRW
                                                                                                                                                             13$
                                                                                                                                                            OLD_ACE_HEAD, ACE_POINTER
ACE_POINTER, RO
OLD_ACE_HEAD, R1
RO, R1
3$
                                                                                                                                                                                                                                                    1439
1440
                                                                           68
50
51
51
                                                                                                     C8
68
C8
50
                                                                                                             DO
                                                                                        0000
                                                                                                                                              MOVL
                                                                                                             DÖ
9E
                                                                                                                                              MOVL
                                                                                                                                              MOVAB
                                                                                        0000
                                                                                                             D1
                                                                                                                                              CMPL
                                                                                                             12
31
98
80
                                                                                                                   00042
                                                                                                                                              BNEQ
                                                                                                                  00042
00047
00048
00052
                                                                                                  00E0
                                                                                                                                              BRW
                                                                                                                                                            8(RO), R1
R1, 8(RO), ACE
#4, ATR_ARGLIST+2
                                                                                                                                                                                                                                                    1443
                                                                                                                                              MOVZBL
MOVC3
                                                                                                                              35:
                                                                           51
                                                                                                                                                                                                                                                    1444
                                   FE00
                                                (8)
                                                                                                                                                                                                                                                    1445
                                                                                                                                              MOVW
                                                              FDCA
```

							1	K 1 6-Sep-1 4-Sep-1	1984 00:02 1984 11:52	:30 VAX-11 Bliss-32 V4.0-742 :34 EACLEDT.SRCJSETACL.B32;1	Page 56 (7)
			FDC8 FDCC	83	FEOO FEOO FAAB FDC8 F788 FAA4	8 96 8 96 8 96 8 96 8 96 8 96 8 96 8 96	00069 00068 0006F 00071		MOVZBW MOVAB PUSHAB CLRQ PUSHAB PUSHAB PUSHAB	ACE, ATR_ARGLIST ACE, ATR_ARGLIST+4 ACL_CONTEXT -(SP) ATR_ARGLIST R6 OBJECT_TYPE	1446 1447 1452
				69 57 03	(7 FE	00079 00076		PUSHL CALLS MOVL	CHAN #7, SYS\$CHANGE_ACL RO, STATUS STATUS, 4\$	
			00000000		009		ODDZE		BLBC BRW	8	1453
			000009D0 000009D8	8F		8 1 7 D1	00082 00085 00080 00086 00095	48:	CMPL BEQL CMPL	STATUS, #2512 78 STATUS, #2520	1456
			00000700	or		F 13			REGI	7\$ -(SP)	1460
				7E		6 70	00099	,	MOVO	R6, -(SP)	; 1400
04	F780	83		6A 03	00771004	SF DC)5 FE)0 EC	0009E 000A4 000A7 000AE		CLRL MOVQ PUSHL PUSHL CALLS CMPZV BLSS BRW	#7803092 #5, LIB\$SIGNAL #0, #3, WORST_ERROR, #4 6\$ 15\$	6 0 0 8 8
				50	011	68 D(000B3	6\$: 7\$.	BRW MOVL MOVZBW	144	1463
			FDF8 FDFC 04 08	50 C8 C8 A8 A8	80 80 8000	0 9E 0 9E 8F B(8 9E	000C5		MOVAB	ACE_POINTER, RO 8(RO), ACE_DESC 8(RO), ACE_DESC+4 #3072, ACE_TEXT_DESC ACE_TEXT, ACE_TEXT_DESC+4 -(SP)	1464 1465 1466 1472
			80	AE	08	E D4	00000		CLRL MOVL PUSHAB	-(SP) #4, 8(SP) 8(SP)	; 14/2
			00	AE	50 8)4 D()E 91)F 91 NE 91 NB 91	00000 00000 0000E2		PUSHAB MOVZBL PUSHAB	#80, 12(SP)	0 0 0 8 0
			000000006	00	FDF8 (8 91 8 91	000E8 000EB 000EF 000F6		PUSHAB PUSHAB PUSHAB CALLS PUSHAB	ACE_TEXT_DESC ACE_TEXT_DESC ACE_DESC #7. SYS\$FORMAT_ACL ACE_TEXT_DESC R6	1473
50	F 780	(8		6A 50 19 50 03	00000000*	66 DE	000FF 00102		PUSHAB CALLS PUSHAB PUSHL PUSHL CALLS MOVAB BLBS MOVAB CMPZV BGEQ	RO #2 R11 #4, LIB\$SIGNAL SET\$ NOSUCHACE, RO RO. 8\$ <set\$ nosuchace&7="">, RO #0, #3, WORST_ERROR, RO 8\$</set\$>	
			f 780	C8 78	00000000	00 90 08 00 10 3	00121	88:	MOVAB	<pre><set\$ nosuchace!268435456="">, WORST_ERROR aace_Pointer, ace_pointer 2\$</set\$></pre>	1475
					OCOC FF	10 31	00124	9\$: 10\$:	BRW MOVL	OLD_ACE_HEAD, ACE_POINTER	1440 1480 1481
				68 50 51	0000	8 D(8 D(8 9)	00124 000127 000120 00126 00134	10\$:	MOVL MOVAB CMPL	OLD_ACE_HEAD, ACE_POINTER ACE_POINTER, RO OLD_ACE_HEAD, R1 RO, R1	1481

; Routine Size: 474 bytes, Routine Base: \$CODE\$ * 1060

				16-Sep-1984 00:02:30 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:52:34 [ACLEDT.SRC]SETACL.B32;1	Page 57 (7)
FE00	C 8	O8 FDCA FDC8 FDCC	51 08 A0 A0 51 C8 FEOO C8 C8 FEOO C8 FAA8 C8 FDC8 C8	12 00137 31 00139 9A 0013C 11\$: MOVZBL 8(RO), R1 28 00140 MOVC3 R1, 8(RO), ACE B0 00147 MOVW #2, ATR ARGLIST+2 9B 0014C MOVZBW ACE, ATR ARGLIST 9E 00153 MOVAB ACE, ATR ARGLIST+4 9F 0015A PUSHAB ACL CONTEXT 7C 0015E CLRQ -(SP)	1484 1485 1486 1487 1488 1493
			F788 C8 FAA4 C8 69 07 57 50 03 FF10	9F 00160 PUSHAB ATR_ARGLIST DD 00164 PUSHL R6 9F 00166 PUSHAB OBJECT_TYPE DD 0016A PUSHL CHAN FB 0016E CALLS #7, SYS\$CHANGE_ACL D0 00171 MOVL R0, STATUS E8 00174 BLBS STATUS, 12\$ 31 00177 BRW 5\$	1494 1500
		FDC8	78 C8 000600FF C8 FE00 C8 FAA8 C8 FDC8 C8 F788 C8 FAA4 C8		1481 1509 1510 1515
			57 2A 57 7E 56	9F 0019B	1516 1519
F 780	68	f 780	007710D4 8F 6A 05 03 00 C8 107710D4 8F 50 107710D4 8F	DD 00181 PUSHL #1 DD 00183 PUSHL #7803092 FB 00189 CALLS #5. LIB\$SIGNAL ED 0018C CMPZV #0, #3, WORST_ERROR, #4 18 001C3 BGEQ 15\$ D0 001C5 14\$: MOVL #276238548, WORST_ERROR D0 001CE 15\$: MOVL #276238548, R0	1520
			50 01	DO 001CE 15\$: MOVE #276238548, RO 04 001D5 RET DO 001D6 16\$: MOVE #1, RO 04 001D9 RET	1524 1526

```
153567890123456789015555789015566789015577777789
                                                    CALLING SEQUENCE:
                                                    INPUT PARAMETERS:
                              1540
1541
1542
1543
1544
1546
1546
1546
1550
1551
1552
1553
                                                    IMPLICIT INPUTS:
                                                                 none
                                                   OUTPUT PARAMETERS:
                                                                none
                                                    IMPLICIT OUTPUTS:
                                                                none
                              1554
1555
1556
1557
1558
1561
1563
1564
1566
1566
1566
1577
1578
1577
1578
1581
1581
                                                   SIDE EFFECTS:
                                                                none
                                               BEGIN
                                               LOCAL
                                               OLD_ACLCTX = 0;
                                               DO
1580
1581
1582
1583
1584
1585
                                                         BEGIN
1586
1587
 1588
 1589
1590
```

```
ROUTINE REPLACE_ACL (OBJECT_NAME_DESC) =
   FUNCTIONAL DESCRIPTION:
               This routine deletes the indicated ACEs, and then replaces them with the new ones specified on the /REPLACE qualifier.
               ADD_ACL (ARG1)
               ARG1: address of the FAB
   ROUTINE VALUE:
1 if successful
               error code otherwise
               OLD ACLCTX,
STATUS;
                                                                                               Old ACL context
                                                                                            ! Local routine return status
   Before deleting any of the given ACEs, make sure that they all exist and
   the order is correct.
ACE POINTER = .OLD ACE HEAD[ACEQ L FLINK];
UNTIL .ACE POINTER EQLA OLD ACE READ[ACEQ L FLINK]
       BEGIN
CH$MOVE (.$BBLOCK[ACE POINTER[ACEQ T ACE], ACE$B_SIZE],
ACE POINTER[ACEQ T ACE], ACE];
ATR_ARGLIST[O, ITM$W_ITMCOD] = ACL$C_FNDACLENT;
ATR_ARGLIST[O, ITM$W_BUFSIZ] = .ACE[ACE$B_SIZE];
ATR_ARGLIST[O, ITM$L_BUFADR] = ACE;
STATUS = $CHANGE_ACL (CHAN = .CHAN,
OBJTYP = OBJECT_TYPE,
OBJNAM = .OBJECT_NAME_DESC,
ITMLST = ATR_ARGLIST,
CONTXT = ACL_CONTEXT);
```

```
1591
1593
1593
1594
1595
1596
                                                                  IF NOT .STATUS
                                                                 THEN
                                                                           BEGIN
                                                                            IF .STATUS NEQ SS$_ACLEMPTY
                                                                           AND .STATUS NEG SSE NOENTRY
                                   1590
1591
1592
1593
1594
 1598
                                                                                     SIGNAL (SETS WRITEERR, 1, OBJECT NAME DESC, .STATUS, 0);
RETURN SETS WRITEERR OR STSSM_INHIB_MSG;
 1600
                                                                         ACE DESC[DS($W_LENGTH] = .$BBLOCK[ACE_POINTER[ACEQ_T_ACE], ACE$B_SIZE];
ACE_DESC[DS($A_POINTER] = ACE_POINTER[ACEQ_T_ACE];
ACE_TEXT_DESC[DS($W_LENGTH] = 3072;
ACE_TEXT_DESC[DS($A_POINTER] = ACE_TEXT;

$FORMAT_ACL (ACLENT = ACE_DESC,

ACLLEN = ACE_TEXT_DESC[DS($W_LENGTH],

ACLSTR = ACE_TEXT_DESC,

WIDTH = %TREF (80),

TRMDSC = $DESCRIPTOR (%CHAR (13), %CHAR (10)),

INDENT = %TREF (4));

$IGNAL (SET$ NOSUCHACE, 2, .OBJECT_HAME_DESC, ACE_TEXT_DESC);

RETURN SET$_NOSUCHACE OR STS$M_INHIB_MSG;

END;
 1601
                                   1595
1596
1597
1602
 1604
                                   1598
1599
 1605
 1606
                                   1600
 1607
                                   1601
 1608
                                   1602
1609
1610
1611
                                    1604
1612
1613
                                    1605
                                   1606
                                                                           END:
1614
1615
                                    1608
                                                       ! The ACE exists. Is the ordering correct?
                                    1609
1616
                                   1610
1611
1612
1613
1614
1615
1616
1617
1618
1619
                                                                  IF .OLD_ACLCTX NEQ O
1618
                                                                 THEN
                                                                           BEGIN
1620
1621
1622
1623
1624
1625
                                                                                   .OLD_ACLCTX<0,24> + 1 NEO .ACL_CONTEXT
                                                                           THEN
                                                                                     BEGIN
                                                                                     SIGNAL (SETS IVORDER, 1, .OBJECT_NAME_DESC);
RETURN SETS IVORDER OR STSSM_INHIB_MSG;
                                                                                     END:
1626
1627
1628
1629
1630
1631
                                                                OLD_ACLCTX = .ACL_CONTEXT;
ACE_POINTER = .ACE_POINTEREACEQ_L_FLINK];
END;
                                   1620
1621
1623
1624
1625
1626
1627
1628
1629
1630
                                                       ! Delete any ACEs specified on the /ACL qualifier.
1632
1633
                                                       ACE_POINTER = .OLD_ACE_HEAD[ACEQ_L_FLINK];
UNTIL .ACE_POINTER EQLA OLD_ACE_HEAD[ACEQ_L_FLINK]
1634
1635
                                                       DO
1636
1637
                                                                BEGIN
CH$MOVE (.$BBLOCK[ACE POINTER[ACEQ T ACE], ACE$B_SIZE],
ACE POINTER[ACEQ T ACE], ACE);
ATR_ARGLIST[0, ITM$W_ITMC0D] = ACL$C DELACLENT;
ATR_ARGLIST[0, ITM$W_BUFSIZ] = .ACE[ACE$B_SIZE];
ATR_ARGLIST[0, ITM$L_BUFADR] = ACE;
STATUS = $CHANGE_ACL (CHAN = .CHAN,
OBJTYP = OBJECT_TYPE,
OBJNAM = .OBJECT_NAME_DESC,
ITMLST = ATR_ARGLIST,
CONTXT = ACL_CONTEXT);

IF NOT _STATUS
                                                                  BEGIN
 1638
                                   1632
1633
1634
1635
1636
 1639
 1640
 1641
 1642
 1644
 1645
                                   1638
                                    1639
 1646
                                                                  IF NOT .STATUS
 1647
                                    1640
```

```
1641
                                                THEN
1648
                          1642
1643
1644
1649
1650
1651
1652
1653
1654
1656
1657
1658
1659
                                                       BEGIN
                                                       SIGNAL (SETS WRITEERR, 1, OBJECT NAME DESC, STATUS, 0); RETURN SETS WRITEERR OR STSSM_INHIB_MSG;
                          1645
1646
1647
1648
1649
1650
1651
1652
1653
                                                     .ACELACESB_SIZE] EQL O
                                                THEN
                                                       BEGIN
                                                       IF .ACE[ACESW_FLAGS] EQL SSS_ACLEMPTY THEN EXITLOOP
                                                       ELSE
                                                              BEGIN
                                                              SIGNAL (SETS WRITEERR, 1, .OBJECT_NAME_DESC, .ACE[ACESW_FLAGS], 0);
RETURN SETS_WRITEERR OR STSSM_INHIB_MSG;
1660
                          1654
1655
1661
1662
                          1656
1657
1663
                                                ACE_POINTER = .ACE_POINTER[ACEQ_L_FLINK];
END;
1664
                          1658
1659
1665
1666
1667
                          1660
                                         ! Add the new ACEs specified on the /REPLACE qualifier.
1668
                          1661
1669
                          1662
1663
                                        ACE_POINTER = .NEW_ACE_HEAD[ACEQ_L_FLINK];
UNTIL .ACE_POINTER EQLA NEW_ACE_HEAD[ACEQ_L_FLINK]
1670
1671
                          1664
                                        DO
1672
1673
                          1665
                                                BEGIN
                                               CH$MOVE (.$BBLOCK[ACE_POINTER[ACEQ_T_ACE], ACE$B_SIZE],
ACE_POINTER[ACEQ_T_ACE], ACE];
ATR_ARGLIST[0, ITM$W_ITMCOD] = ACL$C_ADDACLENT;
ATR_ARGLIST[0, ITM$W_BUFSIZ] = .ACE[ACE$B_SIZE];
ATR_ARGLIST[0, ITM$L_BUFADR] = ACE;
STATUS = $CHANGE ACL_(CHAN = .CHAN.
                          1666
1674
1675
                          1667
                          1668
1676
1677
                          1669
1670
                         1671
1672
1673
1678
                                                STATUS = SCHANGE_ACL (CHAN = .CHAN
                                                                                       OBJTYP = OBJECT_TYPE,
OBJNAM = .OBJECT_NAME_DESC,
ITMLST = ATR_ARGLIST,
CONTXT = ACL_CONTEXT);
1679
1680
                         1674
1681
1682
1683
1684
1685
                         1675
                          1676
1677
                                                IF NOT .STATUS
                                                THEN
                          1678
1679
                                                       BEGIN
1686
1687
                                                       SIGNAL (SETS WRITEERR, 1, .OBJECT NAME DESC, .STATUS, 0);
RETURN SETS WRITEERR OR STSSM_INHIB_MSG;
                          1680
1681
1688
1689
1690
1691
1692
1693
                                               ACE_POINTER = .ACE_POINTER[ACEQ_L_FLINK];
END;
                          1682
1683
1684
1685
                                         RETURN 1:
                          1686
1694
                          1687
                                        END:
                                                                                                                                 ! End of routine REPLACE_ACL
```

.PSECT \$PLIT\$, NOWRT, NOEXE, 2

0D 00360 P.ACZ: .ASCII <13>
0A 00361 .ASCII <10>
00000002 00364 P.ACY: .BLKB 2
00000000 00368 .LONG 2
.ADDRESS P.ACZ

.PSECT \$CODE\$, NOWRT, 2

		5B 00000000 5A 00000000 59 0000		E 00002 E 00009 E 00010	REPLACE	MOVAR	Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11 SYS\$CHANGE_ACL, R11 LIB\$SIGNAL, R10 ACE_POINTER, R9	: 1527
		69 0000 56 04 50 51 0000	58 D D D D D D D D D D D D D D D D D D D	4 00018 0 0001A 0 0001F	1\$:	MOVL MOVAB CMPL	OLD_ACLCTX OLD_ACE HEAD, ACE_POINTER OBJECT_NAME_DESC, R6 ACE_POINTER, RO OLD_ACE_HEAD, R1 RO, R1	1569 1570 1583 1571
FEOO	C9 08 FDCA FDCB FDCC	51 08 A0 C9 C9 FE00 C9 FE00 FAA8	0140 3 A0 9 51 2 04 B	0 0003E 0 00043 E 0004A F 00051	2\$:	MOVZBL MOVC3 MOVW MOVZBW MOVAB PUSHAB	12\$	1574 1575 1576 1577 1578 1583
	000009D0	FDC8 F788 FAA4 6B 57 03	00AD 3	00057 00058 00050 00061 00065 00068 00068 00068	35:	PUSHL PUSHL CALLS MOVL BLBC BRW CMPL	R6 OBJECT_TYPE CHAN #7, SYS\$CHANGE_ACL R0, STATUS STATUS, 3\$ 9\$ STATUS, #2512	1584 1587
	00000908	8F 007710D4	57 Di 20 11 7E Di 57 Di 56 Di 01 Di 8F Di	0007A 00081 00083 00085 00087 00089	48: 58:	CMPL BEQL CLRL PUSHL PUSHL PUSHL PUSHL	STATUS, #2520 7\$ -(SP) STATUS R6 #1	1588 1591
F 780	FDF8 FDFC 04 08	08 08 08 08 00 00 00 00 00	00 E1 03 19 0180 31 01A4 31 69 D0 A0 9E A0 9E A9 9E 7E D4	00094 0009B 0009D 000A0 000A3 000A6 000B2 000B8 000BD	6\$: 7\$:	BLSS BRW BRW MOVL MOVZBW MOVAB MOVW MOVAB CLRL MOVL	19\$	1594 1595 1596 1597 1603
		FDCA FDC8 FDCC 000009D0 000009D8	FEOO C9 08 AO FDCA C9 FEOO FAAB FDCB C9 FDCB C9 FEOO FAAB FDCC C9 FEOO FAAB FDCB FAAB FDCB FAAB FTRB FAAA FDCB FAAB FAAB FAAA FDCB FAAB FAAB FAAA FDCB FAAB FAAB FAAB FAAB FAAB FAAB FAAB FAA	\$\begin{array}{cccccccccccccccccccccccccccccccccccc	FEOO C9 08 AO	SB 0000000006	SB 00000000G 00 9E 00009 MOVAB	SB 000000006

AE	DI	S	ET	A	C	Ĺ
VO					_	-

CL								16 14	2 -Sep-1 -Sep-1	1984 00:02 1984 11:52	:30 :34	VAX-11 Bliss-32 V4.0-742 [ACLEDT.SRC]SETACL.B32;1	Page 62 (8)
			0C 00000000G	00	50 00 04 04 FDF8	8F A9 A9 C9 07 A9	9A 9F 9F 9F 9F PB DD	000CA 000CF 000D2 000D5 000D8 000DC 000EA 000EA 000F0 000F3		MOVZBL PUSHAB PUSHAB PUSHAB CALLS PUSHAB PUSHL PUSHL PUSHAB	ACE ACE	12(SP) TEXT_DESC TEXT_DESC DESC SYS\$FORMAT_ACL TEXT_DESC	1604
50	F780	(9		6A 50 19 50 03	00000000G 000000000 00000000+	04 00 50	DDD 9 F B E B E D B E 1	000E8 000EA 000F0 000F3 000FA 000FD 0010B 0010D		MOVAB BLBS MOVAB CMPZV	SETS N4. SETS RO. <set< td=""><td>NOSUCHACE LIBSSIGNAL NOSUCHACE, RO 8\$ \$ NOSUCHACE&7>, RO #3, WORST_ERROR, RO</td><td></td></set<>	NOSUCHACE LIBSSIGNAL NOSUCHACE, RO 8\$ \$ NOSUCHACE&7>, RO #3, WORST_ERROR, RO	
			F780	C9	000000000	00	9E	00116		BGEQ MOVAB MOVAB	<set< td=""><td>\$_NOSUCHACE!268435456>, WORST_ERROR **_NOSUCHACE!268435456>, RO</td><td>1605</td></set<>	\$_NOSUCHACE!268435456>, WORST_ERROR **_NOSUCHACE!268435456>, RO	1605
						58 46	04 05 13	0011D 0011E 00120	98:	RET TSTL BEQL	OLD_	ACLCTX	1610
50		58	FAA8	18		00 50 50	D6 D1	00122 00127 00129		INCL CMPL	#0, R0	#24, OLD_ACLCTX, RO ACL_CONTEXT	1613
50	F 780	C9		6A 50 19 50 03	00000000G 000000000*	03 00 50 00	13009 FBE 8 E B E B E B E B E B E B E B E B E B	0011E 00120 00127 00127 00128 00130 00134 0013A 0013A 00147 00147 00157		BEGL PUSHL PUSHAB CALLS MOVAB BLBS MOVAB CMPZV BGEQ	R6 #1 SET\$ #3. SET\$ RO. <set< td=""><td>IVORDER [IB\$SIGNAL IVORDER, RO TO\$ S IVORDER&7>, RO #3, WORST_ERROR, RO</td><td>1616</td></set<>	IVORDER [IB\$SIGNAL IVORDER, RO TO\$ S IVORDER&7>, RO #3, WORST_ERROR, RO	1616
			F780	C9 50	00000000*	09 00 00	9E	00160	10\$:	MOVAB	<set< td=""><td>\$_IVORDER!268435456>, WORST_ERROR \$_IVORDER!268435456>, RO</td><td>1617</td></set<>	\$_IVORDER!268435456>, WORST_ERROR \$_IVORDER!268435456>, RO	1617
				58 79 69 50 51	0C0C 0C0C	C9 99 FEB0 C9 69 C9	04 00 00 31 00 9E 01	00167 00168 00160 00170 00173 00178 00178	118: 128: 138:	RET MOVL MOVL BRW MOVL MOVL MOVAB CMPL	1\$ OLD_ ACE	CONTEXT, OLD ACLCTX POINTER, ACE_POINTER ACE_HEAD, ACE_POINTER POINTER, RO ACE_HEAD, R1 R1	1620 1621 1571 1626 1627
	FEOO	(9	O8 FDCA FDC8 FDCC	51 A0 C9 C9	FEOO FEOO FAAB	50 51 02 09 09 09 76 09	D139A 9A 9B 9B 9F 7C 9F	001A7		BEQL MOVZBL MOVC3 MOVW MOVZBW MOVAB PUSHAB CLRQ PUSHAB	R1. ACE. ACE. ACL	8(RO). ACE ATR_ARGLIST+2 ATR_ARGLIST ATR_ARGLIST+4 CONTEXT	1630 1631 1632 1633 1634 1639
				6B	FDC8 F788 FAA4	56 (9 (9	OD OF DD FB	001A9 001AD 001AF 001B3 001B7		PUSHAB PUSHAB PUSHL CALLS	R6 OBJE CHAN	CT_TYPE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

AE	DS	SE	T	A	i.
VO	4-	-00	00		_

CL						16- 14-	Sep-1984 Sep-1984	00:02:30	VAX-11 Bliss-32 V4.0-742 LACLEDT.SRCJSETACL.B32;1	Page	63
				57 03	50 57 FECO 00 C9	DO 001BA £8 001BD 31 001CO 95 001C3 1	8	IOVL RO. ILBS STAT IRW 48 ISTB ACE	STATUS US, 148	6 0 0 0 0	1640 1646
			0900	8F FE)2 C9 OF	12 001C7 B1 001C9 13 001D0	8	MPW ACE	2, #2512	0 0 0	1649
				7E FE	7E 02 (9	04 001D2 3C 001D4	C	LRL -(SF	2, -(SP)	•	1653
				79	FEAB 99 97		158: M	RW 58 IOVL BACE IRB 138	POINTER, ACE_POINTER		1657 1627
				69 OC 50 51 OC	14 C9 14 C9 50	DO 001E1 1 DO 001E6 1 9E 001E9 D1 001EE	65: M 175: M	OVL NEW OVL ACE OVAB NEW MPL RO.	ACE HEAD, ACE_POINTER POINTER, RO ACE_HEAD, R1 R1		1662
	FEOD	C9	O8 FDCA FDC8 FDCC		08 A0 51	9A 001F1 28 001F7 B0 001FE 9B 00203 9E 0020A 9F 00211	8	EQL 21\$ IOVZBL 8(RC) IOVC3 R1, IOVW #1, IOVZBW ACE, IOVAB ACE, IOV), R1 8(R0), ACE ATR_ARGLIST+2 ATR_ARGLIST ATR_ARGLIST+4 CONTEXT		1666 1667 1668 1669 1670 1675
				FD F7 FA 6B 57 2A 7E	56 38 (9	7C 00215 9F 00217 DD 0021B 9F 0021D DD 00221 FB 00225 D0 00228 E8 0022B D4 0022E 7D 00230 DD 00233	P P C M B	PUSHL R6 PUSHAB OBJE PUSHL CHAN ALLS #7, PUSHL R0, PUSHL STAT LRL -(SP	CT_TYPE SYS\$CHANGE_ACL STATUS US. 20\$		1676 1679
04	F 780	(9	F 780	007710 6A 03 C9 107710 50 107710	04 8F 05 00 09 04 8F	DD 00233 DD 00235 FB 0023B ED 0023E 18 00245 DO 00247 1	P P C C B	USHL #1 USHL #780 ALLS #5. MPZV #0, GEQ 19\$	3092 LIB\$SIGNAL #3, WORST_ERROR, #4 238548, WORST_ERROR 238548, RO	# 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1680
				79 50	99 89 01	04 00257 00 00258 2 11 0025B	20\$: R B B: B	ET	_POINTER, ACE_POINTER	8 0 0 0 0 0 0	1682 1663 1685 1687

; Routine Size: 609 bytes, Routine Base: \$CODE\$ + 123A

```
16-Sep-1984 00:02:30
14-Sep-1984 11:52:34
1696
                                     ROUTINE COPY_ACL (OBJECT_NAME_DESC) =
1697
1698
                        1689
                        1690
1699
1700
1701
1702
1703
1704
1705
1706
1707
1708
1709
1718
1718
1718
1718
1718
1728
1728
1730
1731
1732
1733
1736
1737
1738
1738
1748
1748
1748
1748
                        1691
                        1692
1693
                                        FUNCTIONAL DESCRIPTION:
                                                  This routine is called to copy the ACL from the specified input object to the selected output object. It is also used to delete the ACL of
                        1694
                        1695
                        1696
1697
                                                  a object.
                        1698
                                        CALLING SEQUENCE:
                        1699
1700
                                                  COPY_ACL (ARG1)
                        1701
                                        INPUT PARAMETERS:
                        1702
                                                  ARG1: address of the FAB
                        1704
                                        IMPLICIT INPUTS:
                        1705
                                                  none
                        1706
1707
                                        OUTPUT PARAMETERS:
                        1708
                                                  none
                        1709
                        1710
                                        IMPLICIT OUTPUTS:
                        1711
                                                  none
                        1712
1713
                                        ROUTINE VALUE:
1 if successful
                        1714
1715
                                                  error code otherwise
                        1716
1717
1718
1719
                                        SIDE EFFECTS:
                                                  The ACL is copied from one object to another.
                                 2 BEGIN
                                                 DEVICE_DESC : $BBLOCK [DSC$C_S_BLN], ! Device name DEVICE : $BBLOCK [NAM$C_DVI], ! Device name storage OBJECT_FIB_DESC : $BBLOCK [DSC$C_S_BLN], ! Object's FIE STATUS;
                                     LOCAL
                                                                                                                                 ! Device name descr
                                                                                                                                    Object's FIB descr
                                                                                                                                    Object's flB
                                                                                                                       Local routine return status
                                     ! Delete any ACL that currently exists on the object.
                                    ATR_ARGLIST[0, ITM$W_ITMCOD] = ACL$C_DELETEACL;
ATR_ARGLIST[0, ITM$W_BUFSIZ] = ACL$S_DELETEACL;
ATR_ARGLIST[0, ITM$L_BUFADR] = ACE;
                        1734
1735
                       1736
1737
1738
                                     STATUS = SCHANGE_ACL (CHAN = . CHAN,
                                                                         OBJTYP = OBJECT TYPE,
OBJNAM = .OBJECT NAME_DESC,
ITMLST = ATR_ARGLIST,
CONTXT = ACL_CONTEXT);
                        1739
                        1740
                        1741
                                     IF NOT .STATUS
1750
1751
1752
                        1742
                                     THEN
                                            SIGNAL (SETS_WRITEERR, 1, .OBJECT_NAME_DESC, .STATUS, 0);
```

```
RETURN SETS WRITEERR OR STSSM_INHIB_MSG:
1746
1747
1748
1749
                                       END:
                                 ! Now that the input and output objects are open, copy the ACL if necessary.
                                 SACL_CONTEXT = 0:
                     1751
                    1752
1753
1754
1755
1756
1757
1758
1759
                                 WHILE 1
                                 DO
                                       BEGIN
                                       ATR ARGLIST[0, ITM$w | ITMCOD] = ACL$C READACE;
ATR ARGLIST[0, ITM$w | BUFSIZ] = ACL$S READACE;
ATR ARGLIST[0, ITM$L | BUFADR] = ACE;
                                       STATUS = $CHANGE_ACL (CHAN = .5CHAN
                                                                        OBJTYP = SOBJECT_TYPE,
OBJNAM = SOBJECT_DESC,
ITMLST = ATR_ARGEIST,
CONTXT = SACE_CONTEXT);
                    1760
1761
1762
1763
                                       IF NOT .STATUS
                     1764
                                       THEN
                     1765
1766
1767
1768
1769
1770
1771
1772
1773
                                             BEGIN
                                 ! Check for the end of the ACL.
                                             IF .STATUS EQL SS$_ACLEMPTY OR .STATUS EQL SS$_NOMOREACE THEN EXITLOOP;
                                 ! Not the end, return the error.
                                             SIGNAL (SETS_READERR, 1, .SOBJECT_DESC, .STATUS, 0);
                                             RETURN SETS READERR OR STSSM INHIB MSG;
                     1775
                                             END:
                     1776
                     1777
                                 ! If possible, copy the ACE to the target object.
                     1778
1779
1786
1787
                                       IF NOT .ACE[ACE$V_NOPROPAGATE]
AND (IF .FLAGS[QUAL DEFAULT]
THEN .ACE[ACE$V_DEFAULT] OR .FLAGS[DIRECTORY]
1788
                     1780
1789
1790
                     1781
                                               ELSE NOT .ACE[ACE$V_HIDDEN])
1791
1792
1793
                                       THEN
                                             BEGIN
                     1785
1794
1795
1796
1797
1798
                     1786
1787
                                    If this is a default ACE and the target is not a directory file, clear the
                                    default option in the ACE.
                                             THEN IF .ACELACESV DEFAULT]
AND NOT .FLAGS[DIRECTORY]
                      1790
                      1791
1792
1793
1799
1800
                                                     THEN ACELACESY DEFAULT] = 0:
1801
1802
                      1794
                                    Now add the ACE to the object's ACL.
                      1795
                                             ACL_CONTEXT = -1;

ATR_ARGLIST[0, ITMSW_ITMCOD] = ACLSC_ADDACLENT;

ATR_ARGLIST[0, ITMSW_BUFSIZ] = .ACE[ACESB_SIZE];

ATR_ARGLIST[0, ITMSL_BUFADR] = ACE;
1804
                      1796
                      1797
1805
                      1798
1806
1807
                     1799
                                             STATUS = $CHANGE_ACL (CHAN = .CHAN, OBJTYP = OBJECT_TYPE,
                     1800
1808
1809
```

				0030	00000 COPY_	ACL:		
		04	55 000000006 54 000000006 53 0000 5E A0 63 000600FF A3 38 FCEO	AE 9E 8F DO A3 9E C3 9F 7E 7C	00002 00009 00010 00015 00019 00020 00025 00029 00028 0002D	MORD MOVAB MOVAB MOVAB MOVAB MOVAB MOVAB PUSHAB CLRQ	Save R2,R3,R4,R5 LIB\$SIGNAL, R5 SYS\$CHANGE ACL, R4 ATR ARGLIST, R3 -96(SP), SP #393471, ATR ARGLIST ACE, ATR ARGLIST+4 ACL CONTEXT -(SP)	1734 1735 1740
			04 F9C0 FCDC 64 52 21	AC DD C3 9F C3 DD O7 FB 50 DO 52 E8 7E D4 52 DD AC DD	00034 00038 0003B 0003E 00041 00043	PUSHL PUSHAB PUSHAB PUSHL CALLS MOVL BLBS CLRL PUSHL PUSHL PUSHL	R3 OBJECT_NAME_DESC OBJECT_TYPE CHAN #7, SYS\$CHANGE_ACL R0, STATUS STATUS, 2\$ -(SP) STATUS OBJECT_NAME_DESC	1741 1744
04	F988 C3		007710D4 65 03	8F DD 05 FB 00 ED 03 19 00F4 31	00048 0004A 00050 00053 0005A 0005C 0005F 18:	CALLS CMPZV BLSS BRW BRW CLRL	#7803092 #5, LIB\$SIGNAL #0, #3, WORST_ERROR, #4 1\$ 13\$	1750
		04	63 000900FF A3 38 A8	A3 D4 8f D0 A3 9E A3 9F 7E 7C 53 DD C3 9F C3 9F	00065 0006C 00071 00074 00076 00078 0007C	MOVL MOVAB PUSHAB CLRQ PUSHL PUSHAB PUSHAB	SACL CONTEXT #590079, ATR ARGLIST ACE, ATR ARGEIST+4 SACL CONTEXT -(SP) R3 SOBJECT_DESC SOBJECT_TYPE	1750 1756 1757 1762

NEDSSETACL VO4-000					A4	47			1984 00:02: 1984 11:52:		Page 67 (9)
			00000900	64 52 42 8F	74	07 50 52 52	DD 0008 FB 0008 D0 0008 E8 0008 D1 0008	9	PUSHL CALLS MOVL BLBS CMPL BEQL CMPL	SCHAN #7, SYS\$CHANGE_ACL RO, STATUS STATUS, 7\$ STATUS, #2512	1763 1769
			000009E0	8F		07 52 03 00BA	13 0009 01 0009 12 0009	C 45:	MINI-CI	STATUS, #2528	
					FCEC	52	31 0009 D4 000A DD 000A DD 000A	5\$: 5	BRW CLRL PUSHL PUSHL PUSHL PUSHL CALLS CMPZV	14\$ -(SP) STATUS SOBJECT_DESC	1773
04	f 988	63		65 03	00771084	8F 05 00	DD 000A DD 000A DD 000A DD 000A FB 000B ED 000B	8	PUSHL CALLS CMPZV	#7803060 #5, LIB\$SIGNAL #0, #3, WORST ERROR, #4	
			F988	C3 50	107710B4 107710B4	00 09 8F 8F	00 0000	6 68:	MOVL	6\$ #276238516, WORST_ERROR #276238516, RO	1774
		92 00	3B F9B4	A3 C3	-	03 06 A3 02	04 0000 E0 0000 E1 0000 E8 0000 E1 0000	78:	RET BBS BBC	#3, ACE+3, 3\$ #6, FLAGS, 8\$	1779 1780 1781
		82	F9B5	10	38	02 02	E 000D	9	BLBS BBC BRB	ACE+3, 10\$ #2, FLAGS+1, 3\$ 10\$	1781
		03	3B	A3		08 02 FF78	F 7 000E	5 X5:	BBC	M2, ACE+3, 10\$	1782
		CE	F9B4	C3 OA	38	06 A3	31 000E E1 000E E9 000F E0 000F 8A 000F	D 10\$:	BBC	#6, FLAGS, 11\$ ACE+3, 11\$ #2, FLAGS+1, 11\$ #1, ACE+3	1789 1790
		04	F 9B 5	C3 A3 C3		02 01	8A 000F	/ D 1 116.	BBS BICB2 MNEGL	#2, FLAGS+1, 115 #1, ACE+3 #1 ACL CONTEXT	179
			F C E O O 2	A3 63 A3	38	01 01 A3	9B 0010 9E 0010	1 11\$: 6	MOVW MOVZBW	#1, ATR ARGLIST+2	1797
			04	Ä3	38 38 FCE0	A3 A3 C3 7E 53	9F 0011 7C 0011		MOVW MOVZBW MOVAB PUSHAB CLRQ	#1. ACL_CONTEXT #1. ATR_ARGLIST+2 ACE. ATR_ARGLIST ACE. ATR_ARGLIST+4 ACL_CONTEXT -(SP)	1791 1792 1796 1798 1799 1804
					04 F9C0 FCDC	AC C3	DD 0011 9F 0011	B	PUSHL PUSHAB	OBJECT_NAME_DESC	
				64	FCDC	C3 07	FB 0012	2	PUSHL	M7, SYS\$CHANGE_ACL	8
				64 52 88		50 52 7F	D0 0012 E8 0012 D4 0012	Č	BLBS	RO, STATUS STATUS, 98 -(SP) STATUS	1805 1808
					04	52 AC	00 0013	1	PUSHL PUSHL	OBJECT_NAME_DESC	
				65	00771004	8F	DD 0013 DD 0013 DD 0013 FB 0013 ED 0014	6 8 F	MOVL BLBS CLRL PUSHL PUSHL PUSHL PUSHL CALLS CMPZV	#1 #7803092 #5, LIB\$SIGNAL	8 8 8
04	f 9B8	C3		65 03		00	ED 0014	18	BUEW	#0, #3, WORST_ERROR, #4	
			f 9B8	50	107710D4 107710D4	00 09 8f 8f	00 0014 00 0015 04 0015 04 0015	A 125: 3 135:	MOVL	#276238548, WORST_ERROR #276238548, RO	1809
				50		01	04 0015 00 0015 04 0015	A 145:	RET MOVL RET	#1, R0	1816

; Routine Size: 351 bytes, Routine Base: \$CODE\$ + 1498

Save nothing

```
ROUTINE INPUT_ERROR (FILE_FAB) =
FUNCTIONAL DESCRIPTION:
                                   This routine is used to signal errors received on the file scan.
                            CALLING SEQUENCE:
INPUT_ERROR (ARG1)
                             INPUT PARAMETERS:
                                   ARG1: address of the FAB
                            IMPLICIT INPUTS:
                                   none
                            DUTPUT PARAMETERS:
                                   none
                             IMPLICIT OUTPUTS:
                                   none
                            ROUTINE VALUE:
                            SIDE EFFECTS:
                                    The error is signaled by placing the appropriate message into
                                   the output file.
                          BEGIN
                          MAP
                                   FILE_FAB
                                                      : REF $BBLOCK;
                                                                                  ! FAB address
                          LOCAL
                                   STATUS:
                                                                                  ! Error to signal:
                          STATUS = SETS_OPENOUT;
IF .FILE FABEFABSL_STSJ EQL RMSS_FNF
THEN STATUS = SETS_OPENOUT AND NOT STSSM_SEVERITY OR STSSK_WARNING;
                          FILE_ERROR (.STATUS, .FILE_FAB, .FILE_FAB[FAB$L_STS], .FILE_FAB[FAB$L_STV]);
                          RETURN 1:
                 1866
                 1867
1868
                          END:
                                                                                  ! End of routine INPUT_FRRDR
```

AEDSSETACL V04-000		L 2 16-Sep-1984 00:02:30 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:52:34 [ACLEDT.SRC]SETACL.B32;1	Page 70 (10)
	00018292 8F	2 8F DO 00002 MOVL #7803042, STATUS 4 AC DO 00009 MOVL FILE FAB, RO 8 AO DI 0000D CMPL 8(ROJ, #98962 07 12 00015 BNEQ 18	1859 1860
	51 007710/ 7E	8	1861 1863
	0000V CF 50	04 FB 00026 CALLS #4, FILE_ERROR 01 D0 0002B MOVL #1, RO 04 0002E RET	1866 1868

; Routine Size: 47 bytes, Routine Base: \$CODE\$ * 15FA

```
16-Sep-1984 00:02:30
14-Sep-1984 11:52:34
                              ROUTINE FILE_ERROR (ERROR_CODE, FILE_FAB, STS, STV) =
FUNCTIONAL DESCRIPTION:
                                         This routine is used to signal errors received on files.
                                 CALLING SEQUENCE: FILE_ERROR (ARG1, ARG2, ARG3, ARG4)
                                 INPUT PARAMETERS:
                                         ARG1: error code
                                         ARG2: address of the FAB
                                         ARG3: primary error status
                                         ARG4: secondary error status
                    1886
1887
                                 IMPLICIT INPUTS:
                                         none
                    1888
                    1889
                                 OUTPUT PARAMETERS:
                    1890
                    1891
                    1892
                                 IMPLICIT OUTPUTS:
                    1893
                                         none
                    1894
                    1895
                                 ROUTINE VALUE:
                    1896
1897
                                 SIDE EFFECTS:
                    1898
1899
1900
1901
1902
1903
1904
1905
1906
1909
1910
                                         none
                              BEGIN
                              MAP
                                         FILE_FAB
                                                              : REF $BBLOCK;
                                                                                              ! FAB address
                              BIND
                                         FILE_NAM
                                                              = .file_fab(fab$L_NAM) : $BBLOCK;
                                                                                                                   ! NAMe block address
                    1911
                              LOCAL
                    1912
                                                                                                        ! Local file name descr
                                                              : $BBLOCK [DSC$C_S_BLN];
                                         FILE_NAME
                              CHSFILL (O, DSCSC S BLN, FILE NAME); IF .FILE NAMENAMSB RSLJ NEG O
                    1914
                    1915
                    1916
                              THEN
                                   BEGIN
                                   FILE NAME [DSC & LENGTH] = .FILE NAMENAM & RSL];
FILE NAME [DSC & A POINTER] = .FILE NAMENAM & [RSA];
                    1918
                    1919
1920
1921
1922
1923
1924
1925
                              ELSE IF .FILE_NAMENAMSB_ESL] NEQ O
                                    BEGIN
                                    FILE NAME [DSC & LENGTH] = .FILE NAM [NAM & B ESL];
FILE NAME [DSC & A POINTER] = .FILE NAM [NAM & C ESA];
```

```
N 2
16-Sep-1984 00:02:30
14-Sep-1984 11:52:34
AEDSSETACL
VO4-000
                                                                                                                                                                      VAX-11 Bliss-32 V4.0-742 [ACLEDT.SRC]SETACL.832:1
   1936
1937
1938
1939
1940
1941
1942
1943
1946
1947
                                             ELSE
                                                    BEGIN

FILE_NAME[DSC$W_LENGTH] = .FILE_FAB[FAB$B_FNS];

FILE_NAME[DSC$A_POINTER] = .FILE_FAB[FAB$C_FNA];
                                             SIGNAL (.ERROR_CODE, 1, FILE_NAME, .STS, .STV);
                                             RETURN 1;
                                            END:
                                                                                                                                       ! End of routine FILE_ERROR
                                                                                                        OOFC 00000 FILE_ERROR:
                                                                                                                                                          Save R2,R3,R4,R5,R6,R7
#8, SP
FILE_FAB, R7
40(R7), R6
#0, (SP), #0, #8, FILE_NAME
                                                                                                                                            . WORD
                                                                                                                                                                                                                                                 1869
                                                                                                           50
00
05
05
                                                                                                                00002
00005
00009
                                                                                                    08C700E66B666B666977CE1C5C000BF1
                                                                                                                                            SUBL 2
                                                                                                                                                                                                                                                 1909
                                                                                                                                            MOVL
                                                                                                                                            MOVL
                                                                                                                00000
                    08
                                               00
                                                                                                                                                                                                                                                 1914
                                                                                                                                            MOVC5
                                                                                                                00012
00013
00016
00016
00016
00021
00023
00026
00026
00033
00037
00037
00037
00045
00045
00045
00045
00045
00045
                                                                                                           953801195380119070FDDBB8FFD8
                                                                                                                                                                                                                                                 1915
                                                                                                                                            TSTB
                                                                                                                                                           3(R6)
                                                                                                                                            BEQL
                                                                                                                                                          3(R6), FILE_NAME
4(R6), FILE_NAME+4
                                                                                                                                            MOVZBW
                                                                                                                                                                                                                                                  1918
                                                                                                                                                                                                                                                 1919
                                                                04
                                                                                                                                            MOVL
                                                                                                                                                                                                                                                 1915
                                                                                                                                            BRB
                                                                                                                                                                                                                                                 1921
                                                                                                                                                           11(R6)
                                                                                          08
                                                                                                                                            TSTB
                                                                                                                                            BEQL
                                                                                                                                                                                                                                                 1924
1925
1921
1929
1930
1933
                                                                                                                                                          11(R6), FILE NAME
12(R6), FILE NAME+4
                                                                                          0B
0C
                                                                         6E
AE
                                                                                                                                            MOVZBW
                                                                                                                                            MOVL
                                                                                                                                            BRB
                                                                                                                                                          52(R7), FILE_NAME
44(R7), FILE_NAME+4
STS, -(SP)
FILE_NAME
                                                                                          34
20
00
08
                                                                                                                                            MOVZBW
                                                                                                                                            MOVL
                                                                                                                                            MOVQ
                                                                                                                                            PUSHAB
                                                                                                                                            PUSHL
                                                                                                                                                          ERROR CODE
#5, LTB$SIGNAL
ERROR CODE, 4$
#0, #3, ERROR CODE, RO
#0, #3, WORST_ERROR, RO
                                                                                                                                            PUSHL
                                                                                                                                           CALLS
BLBS
                                                     00000000G
                                                                         1A
03
03
                                                                                                                                            EXTZV
                                               AC
CF
                                  0000
                                                                                                                                            CMPZV
                                                                                                                                            BGEQ
                                                                                                                                                          #268435456, ERROR_CODE, WORST_ERROR #1, R0
                                  0000
                                                                04
                                                                               10000000
                                                                                                                 00062
                                                                                                                                            BISL3
                                                                                                                                                                                                                                                 1935
1937
                                                                                                                 0006D 45:
                                                                                                                                            MOVL
                                                                                                                 00070
; Routine Size: 113 bytes.
                                                          Routine Base: $CODE$ + 1629
```

: 1948 1938 1 : 1949 1939 1 END : 1950 1940 0 ELUDOM

PSECT SUMMARY

Name	Bytes			Attributes			
SOWNS _LIBSKEYOS _LIBSSTATES SPLITS SCODES	5296 0 14 876 5786	NOVEC, NOWRT, NOVEC, NOWRT, NOVEC, NOWRT,	RD RD	. EXE. SHR.	LCL, LCL,	REL, REL,	CON, PIC, ALIGN(1)

Library Statistics

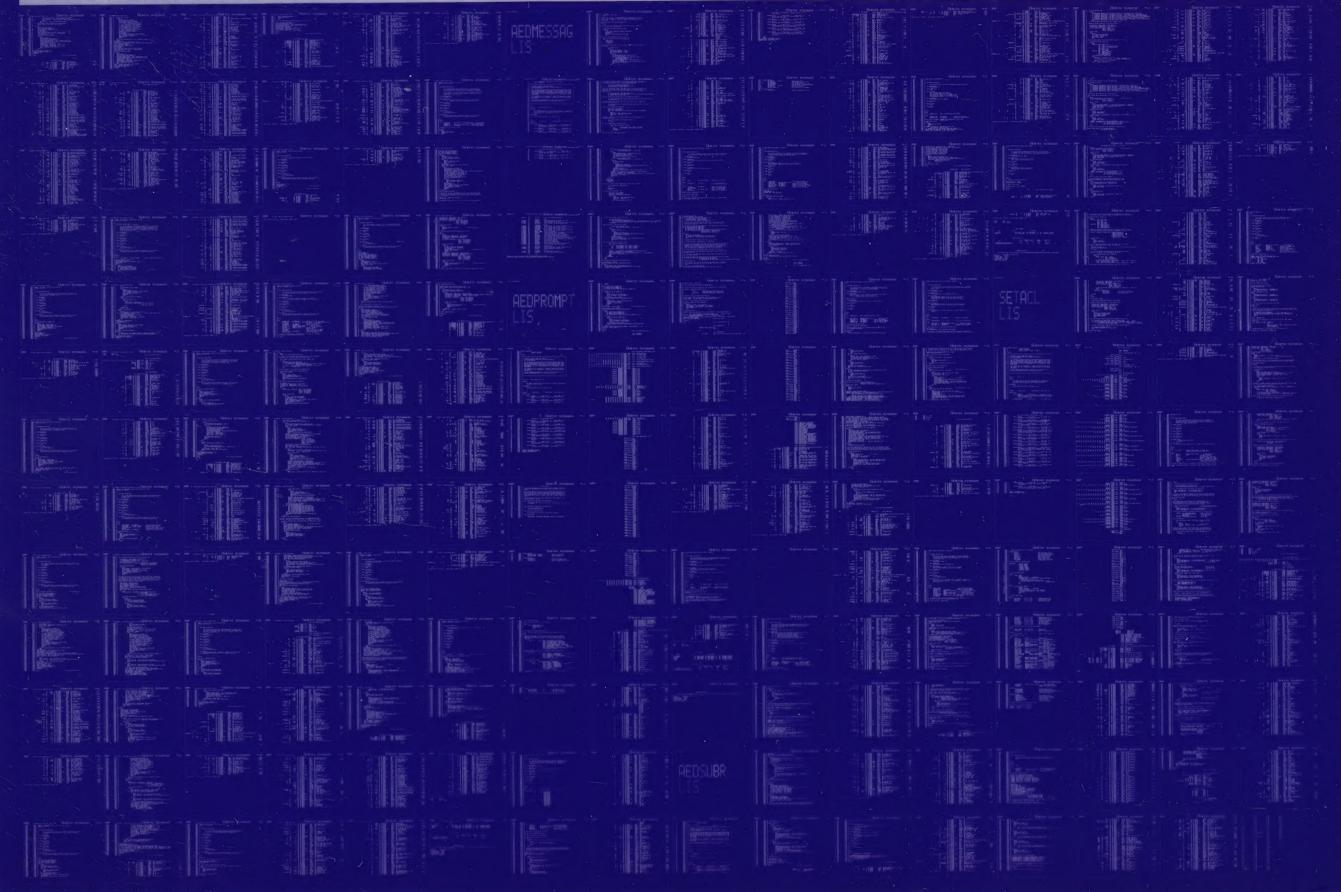
File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]LIB.L32;1 _\$255\$DUA28:[SYSLIB]TPAMAC.L32;1	18619 42	189 15	35	1000	00:01.9

CCMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:SETACL/OBJ=OBJ\$:SETACL MSRC\$:SETACL/UPDATE=(ENH\$:SETACL)

: Size: 5786 code + 6186 data bytes : Run Time: 01:37.2 : Elapsed Time: 04:37.6 : Lines/CPU Min: 1197 : Lexemes/CPU-Min: 27511 : Memory Used: 578 pages : Compilation Complete 0004 AH-BT13A-SE

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